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L3200T/L3700T/L4200T

User's Guide Manuel d'utilisation

Please read this manual carefully before operating your set.

Retain it for future reference.

Record model number and serial number of the set.

See the label attached on the back cover and quote this information to your dealer when you require service.



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and Connection

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Safety Precautions

Please read these safety precautions carefully before using the monitor.

Warning If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death.

Caution If you ignore the caution message, you may be slightly injured or the product may be damaged

Precautions in installing the Monitor

/N Warning

- Keep away from heat sources like electrical heaters.
 - Electrical shock, fire, malfunction or deformation may occur.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children.
 - Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.
- Do not put heavy objects on the monitor or sit upon it.
 - If the monitor collapses or is dropped, you may be injured. Children must pay particular attention.
- Do not leave the power or signal cable unattended on the pathway.
 - The passerby can falter, which can cause electrical shock, fire, product breakdown or injury.
- Install the monitor in a neat and dry place.
 - Dust or moisture can cause electrical shock, fire or product damage.
- If you can smell smoke or other odors or hear a strange sound unplug the power cord and contact the service center.
 - If you continue to use without taking proper measures, electrical shock or fire can occur.
- If you dropped the monitor or the case is broken, turn off the monitor and unplug the power cord.
 - If you continue to use without taking proper measures, electrical shock or fire can occur. Contact the service center.
- Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the monitor, or inflammable objects such as paper and matches. Children must pay particular attention.
 - Electrical shock, fire or injury can occur. If a foreign object is dropped into the monitor, unplug the power cord and contact the service center.

∕! Caution

- Make sure the monitor ventilation hole is not blocked. Install the monitor in a suitably wide place (more than 10cm from the wall)
 - If you install the monitor too close to the wall, it may be deformed or fire can break out due to internal heat.
- Do not block the ventilation hole of the monitor by a tablecloth or curtain.
 - The monitor can be deformed or fire can break out due to overheating inside the monitor.
- Install the monitor on a flat and stable place that has no risk of dropping the monitor.
 - If the monitor is dropped, you may be injured or the monitor may be broken.
- Install the monitor where no EMI occurs.
- Keep the monitor away from direct sunlight.
 - The monitor can be damaged.



Electrical Power Related Precautions

Marning

- Make sure to connect the power cable to the grounded current.
 - You may be electrocuted or injured.
- Use the rated voltage only.
 - The product can be damaged, or you may be electrocuted.
- During a thunder or lightning storm, unplug the power cable or signal cable.
 - You may be electrocuted or a fire can break out.
- Do not connect several extension cords, electrical appliances or electrical heaters to a single outlet. Use a power bar with a grounding terminal designed for exclusive use with the computer.
 - A fire can break out due to overheating.
- Do not touch the power plug with wet hands. Additionally, it the cord pin is wet or covered with dust, dry the power plug completely or wipe dust off.
 - You may be electrocuted due to excess moisture.
- If you don't intend to use the product for a long time, unplug the power cable from the product.
 - Covering dust can cause a fire, or insulation deterioration can cause electric leakage, electric shock or fire.
- Fix the power cable completely.
 - If the power cable is not fixed completely, a fire can break out.
- Hold the plug when pulling out the power cable. Do not bend the power cord with excessive force or put heavy objects on the power cord.
 - The power line can be damaged, which may cause electric shock or fire.
- Do not insert a conductor (like a metal chopstick) into one end of the power cable while the other end is connected to the input terminal on the wall. Additionally, do not touch the power cable right after plugging into the wall input terminal.
 - You may be electrocuted.
- The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily accessible after installation.

⚠ Caution

- Do not unplug the power cord while the product is in use.
 - Electrical shock can damage the product.



Precautions in Moving the Product

Marning

- Make sure to turn off the product.
 - You may be electrocuted or the product can be damaged.
- Make sure to remove all cables before moving the product.
 - You may be electrocuted or the product can be damaged.

Safety Precautions

A Caution

- Do not shock the monitor when moving it.
 - You may be electrocuted or the monitor can be damaged
- Do not dispose the product-packing box. Use it when you move.
- Make the panel face forward and hold it with both hands to move.
 - If you drop the monitor, the damaged monitor can cause electric shock or fire. Contact with the service center for repair.

0

Precautions in Using the Monitor

Marning

- Do not disassemble, repair or modify the monitor at your own discretion.
 - Fire or electric shock accident can occur.
 - Contact the service center for check, calibration or repair.
- Do not spray water on the monitor or scrub with an inflammable substance (thinner or benzene). Fire or electric shock accident can occur
- Keep the monitor away from water.
 - Fire or electric shock accident can occur.

⚠ Caution

- Do not put or store inflammable substances near the monitor.
 - There is a danger of explosion or fire due careless handling of the inflammable substances.
- When cleaning the brown tube surface, unplug the power cord and scrub with soft cloth to prevent scratching. Do not clean with a wet cloth.
 - The water can sink into the monitor, which can cause electric shock or serious malfunction.
- Take a rest from time to time to protect your vision.
- Keep the monitor clean at all times.
- Take a comfortable and natural position when working with a monitor to relax the muscles.
- Take a regular break when working with a monitor for a long time.
- Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it.
- Keep proper distance from the monitor.
 - Your vision may be impaired if you look at the monitor too closely.
- Set the appropriate resolution and clock by referring to the User's Manual.
 - Your vision can be impaired.
- Use authorized detergent only when cleaning the monitor. (Do not use benzene, thinner or alcohol.)
 - Monitor can be deformed.



On Disposal

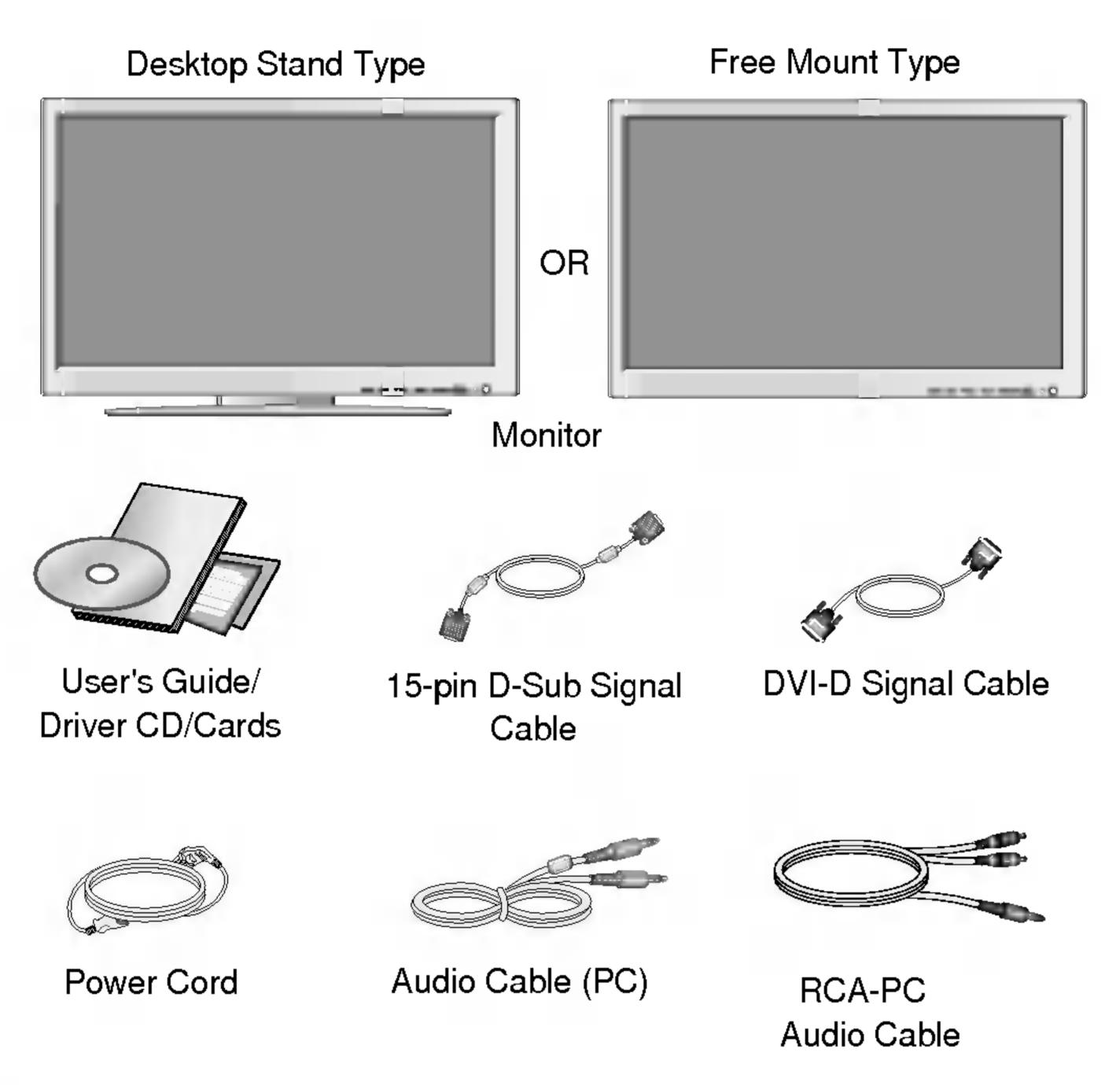
- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
 Disposal of this product must be carried out in accordance to the regulations of your local authority.

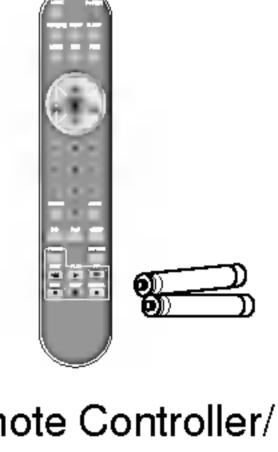


Accessories

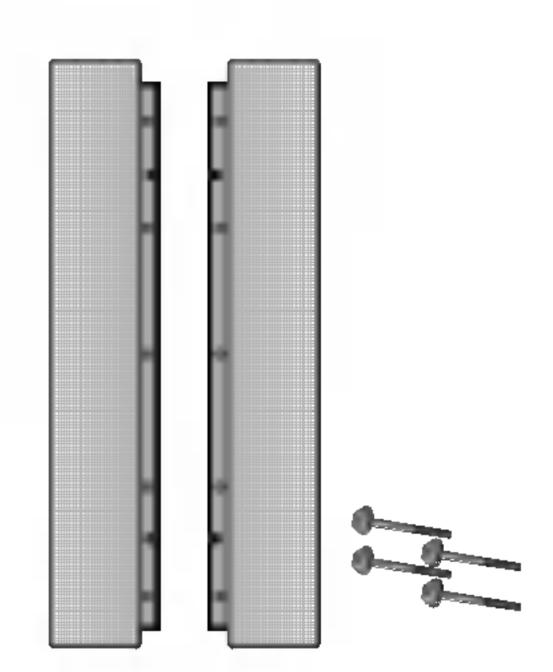
Please check the accessories in the product package.

* The monitor and the accessories can be different from the figures shown here.





Remote Controller/ Batteries



Speaker kit / Screws
(Applicable only for models that support the speakers)

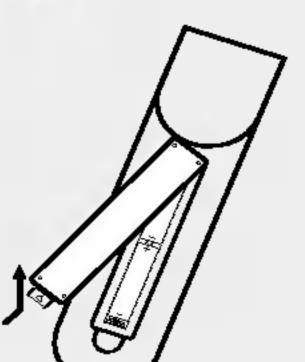
Optional

Wall-mount Rack

Please refer to the enclosed "Installation Guide" when installing the wall-mount rack.



Inserting batteries into remote controller.

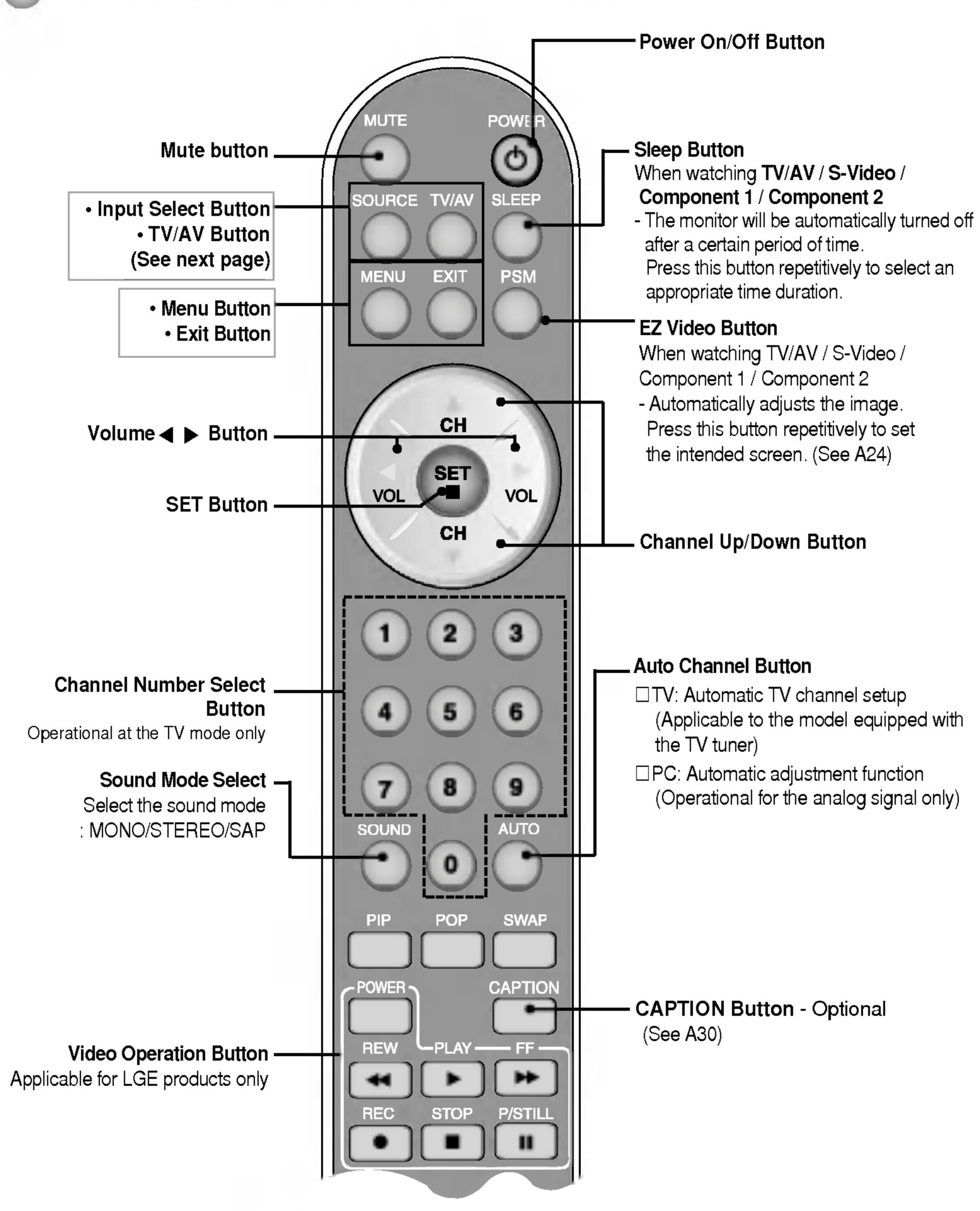


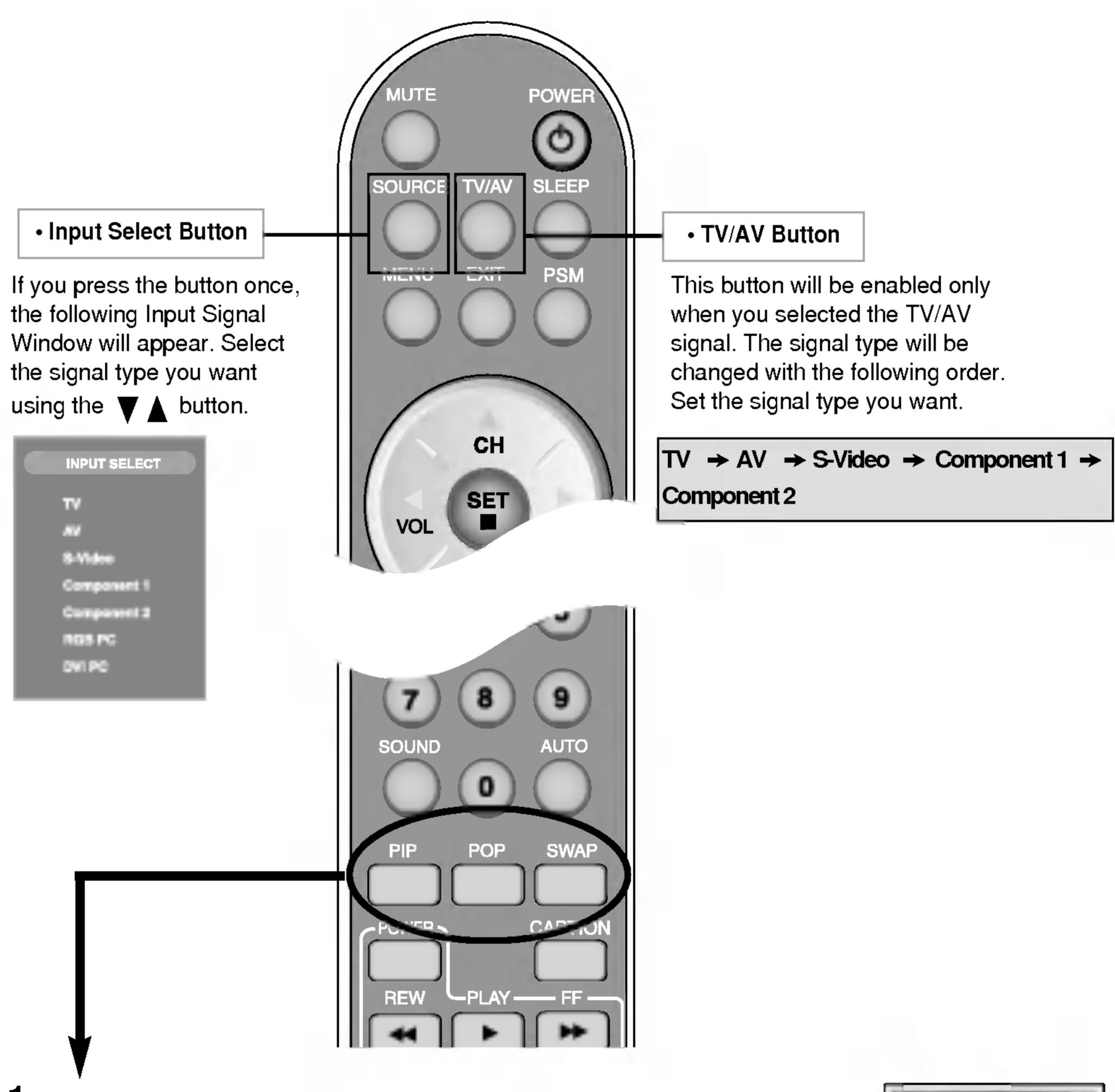
- 1. Take out the battery cap.
- 2. Insert batteries with correct polarity (+/-).
- 3. Close the battery cap.
 - You can use a remote controller 7 meter distance and 30 degree (left/right) within the receiving unit scope.
- Dispose of used batteries in the recycle bin to prevent environmental pollution.



Using the Remote Control

Name of the Remote Controller Buttons





1. PIP (Picture in Picture) Button

The sub-screen moves to the next mode whenever you press this button. : SMALL -> MEDIUM -> LARGE -> OFF

PIP

2. POP (Picture out Picture) Button

The sub-screen moves to the next mode whenever you press this button.

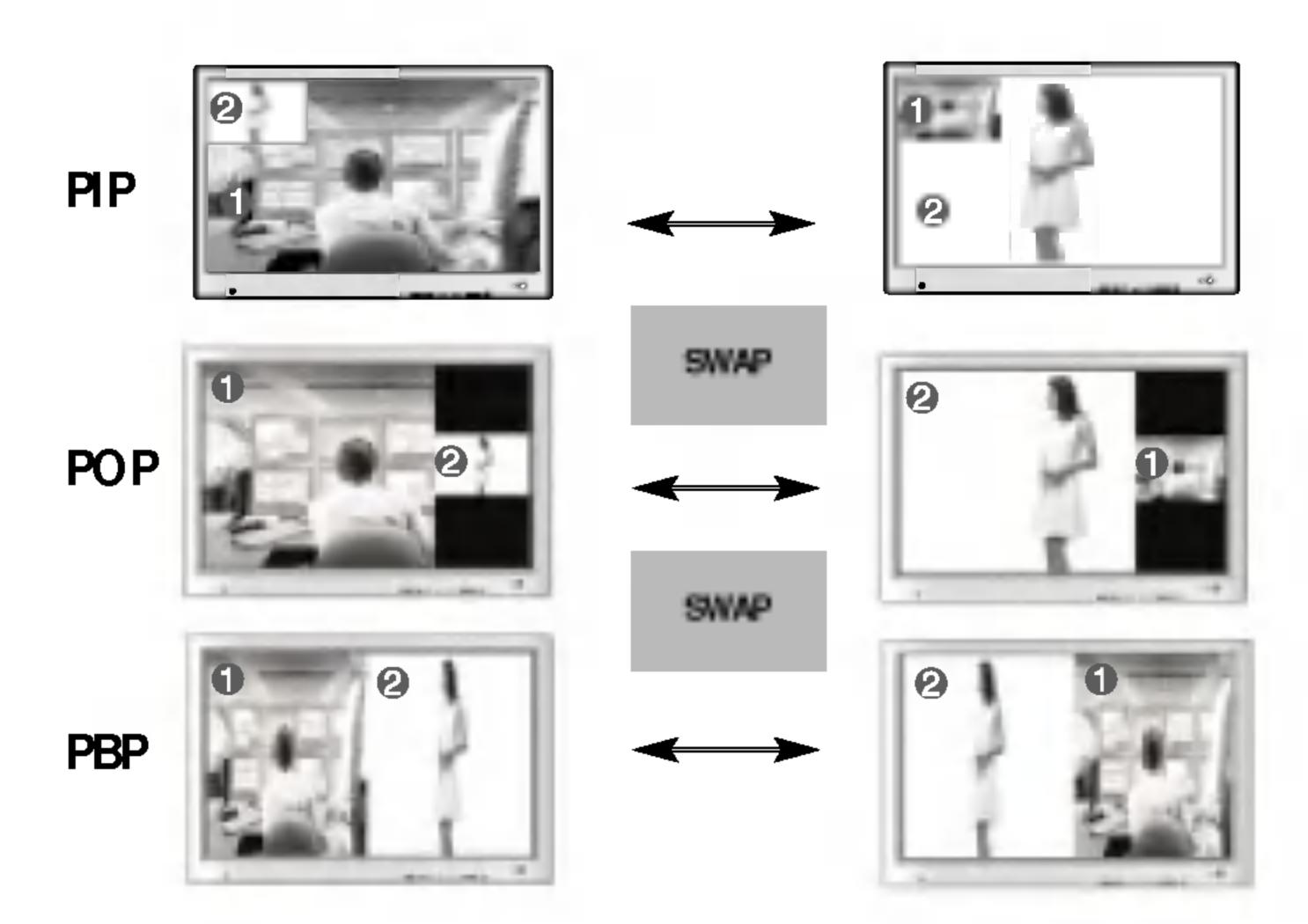
: POP ON -> PBP(FULL) -> PBP(4:3) -> OFF



Using the Remote Control

3. SWAP Button

You can swap the main screen and the sub-screen when the PIP/POP/PBP function is used.



When 'Input Signal 1' comes on in the main screen, only 'Input Signal 2' can be displayed on the sub-screen. On the contrary, if the main screen displays 'Input Signal 2', the sub-screen can display 'Input Signal 1' only. You can swap 'Input Signal 1' and 'Input Signal 2' using the SWAP button.

*PIP function is not supported in 480i, 576i and 1080i modes.

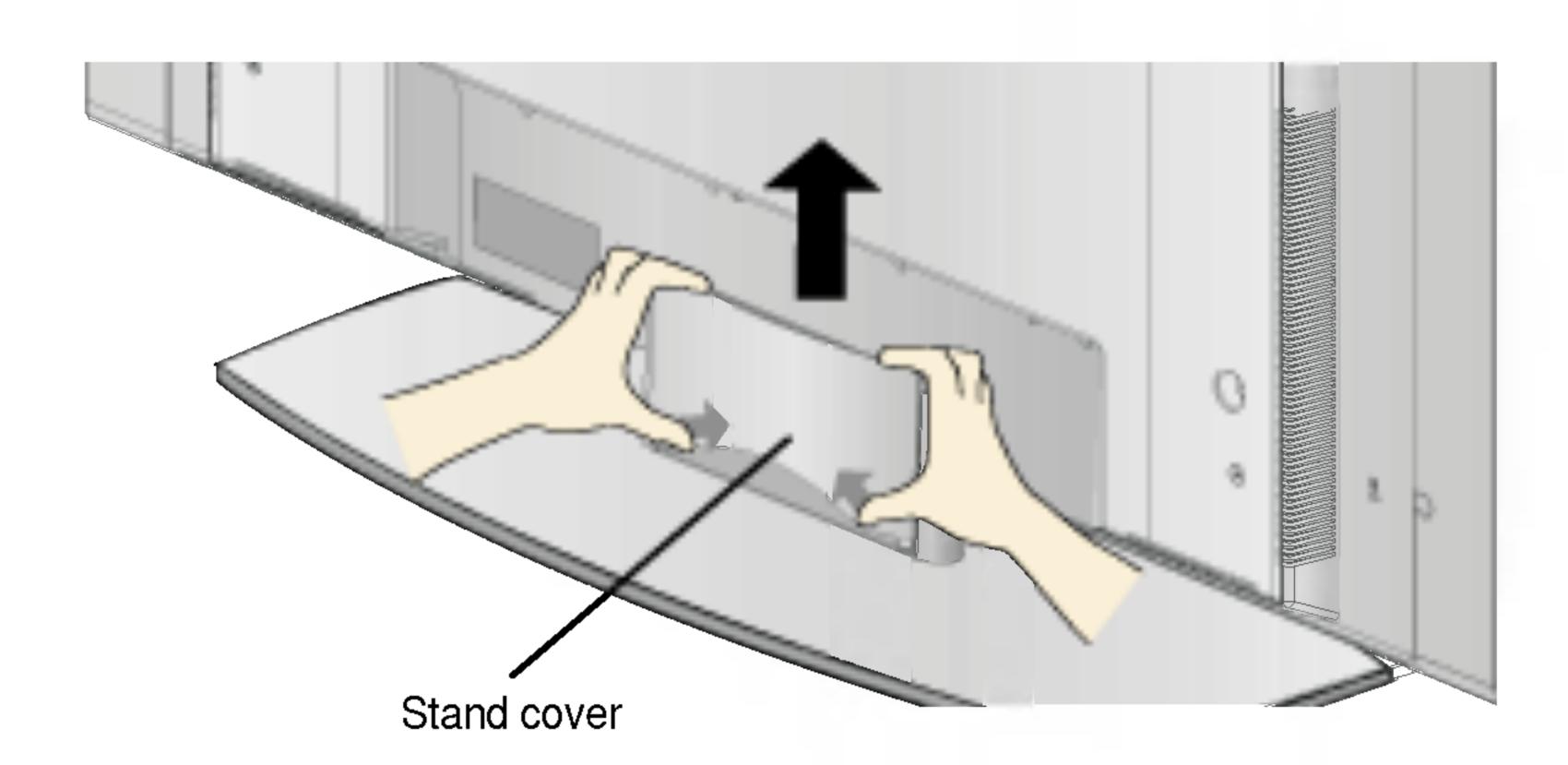
<Table of PIP/POP/PBP Function Support>

Main Screen Sub-Screen	TV	AV	S-Video	COMPONENT 1	COMPONENT 2	RGB PC	DVI PC
TV	Х	Х	Х	x	Х		•
AV	Х	Х	Х	Х	Х	•	•
S-Video	Х	Х	Х	Х	Х		•
COMPONENT 1	Х	Х	Х	Х	Х		•
COMPONENT 2	X	Х	Х	х	Х		•
RGB PC						X	
DVI PC			•	•			Х

To arrange cables in order - Optional

* Applicable only for models that support the stand

1. Disassemble the stand cover. The cover may be easily disassembled by pressing down on the base as shown in the figure.

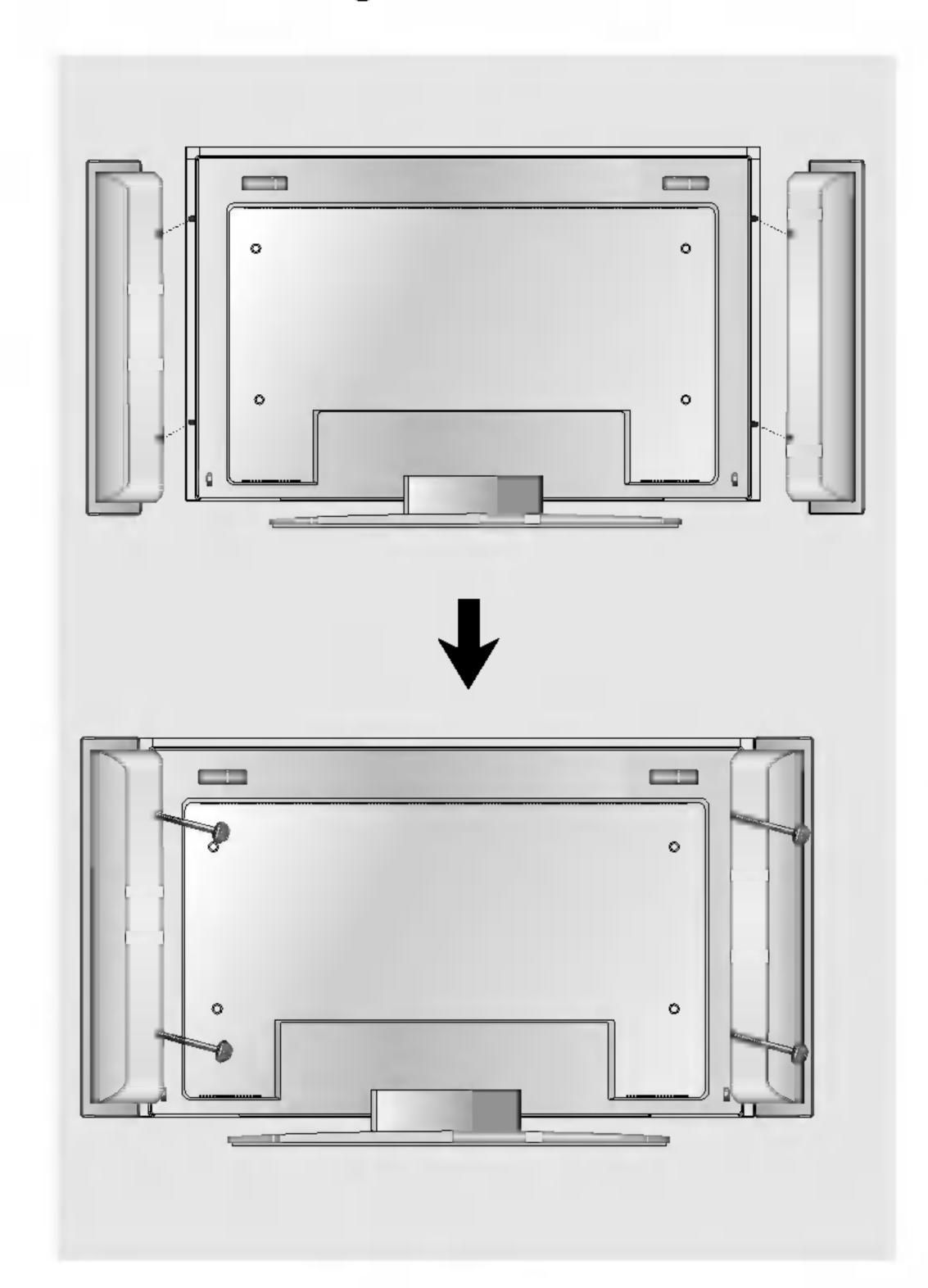


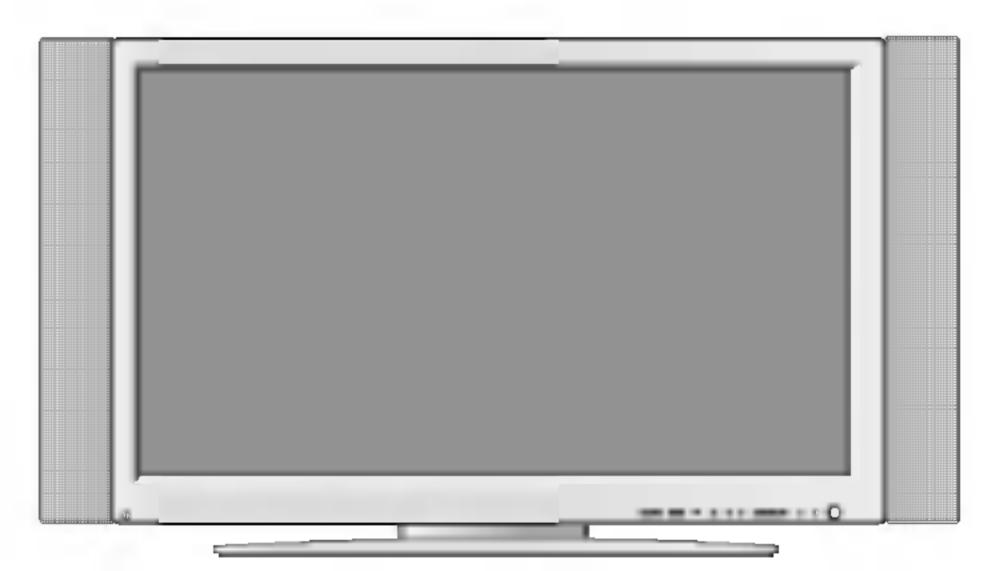
2. After connecting the cables, correctly position the stand cover into the holes on the stand. If securely connected, you will hear the latch click into place.

Connecting the Speakers - Optional

* Applicable only for models that support the speakers

Use the screws to secure the speakers on the rear side of the monitor as shown in the below figure.

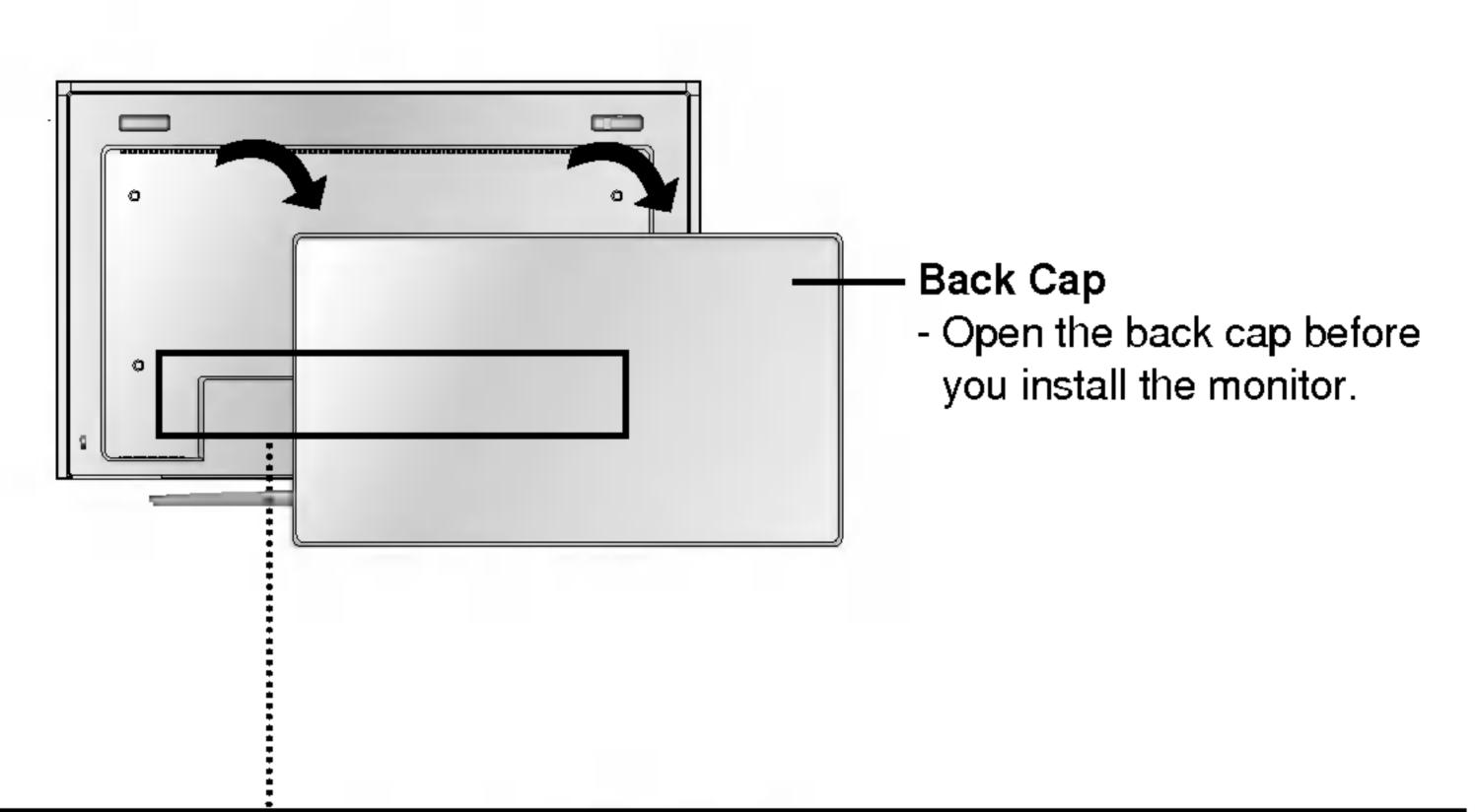


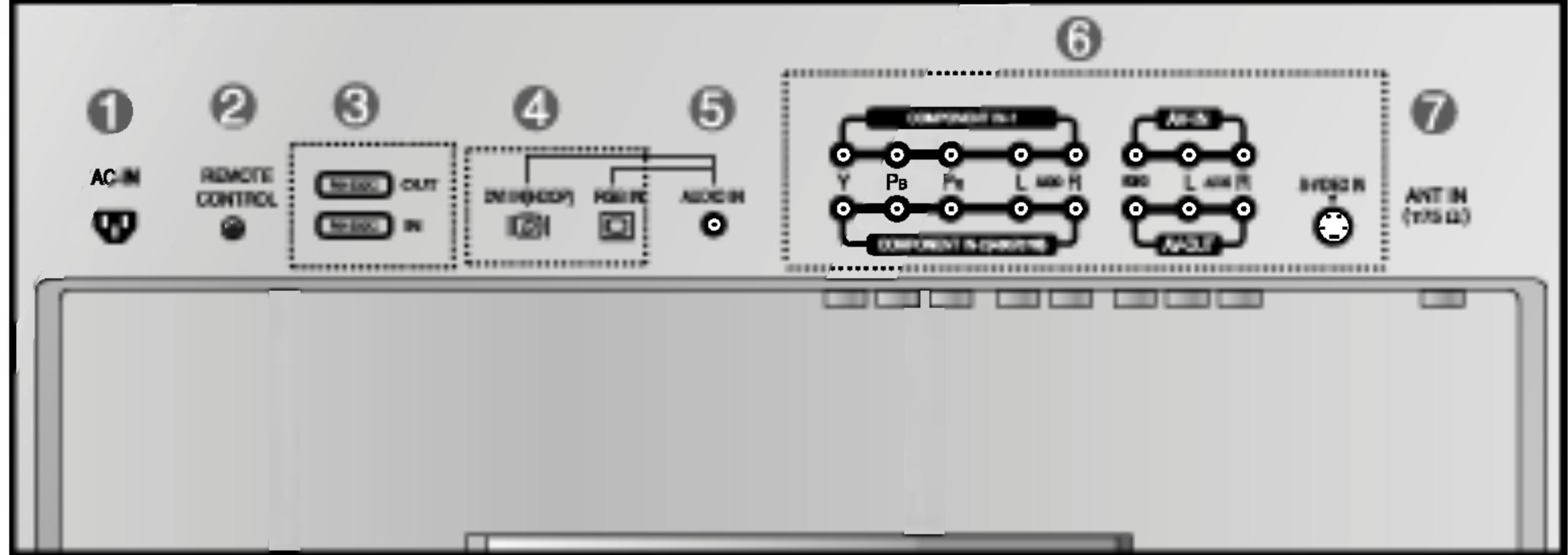


When the speaker is installed.

Name and Function of the Parts







- Power Connector : Connect the power cord
- Wired Remote Control Port
- RS-232C Serial Ports
- 4 PC Signal Inputs
- PC Sound Jack
 - : Connect the audio cable to the *LINE OUT jack of the PC sound card.
- **6** AV Input Ports
- TV Tuner Jack : Connect the antenna.

*LINE OUT

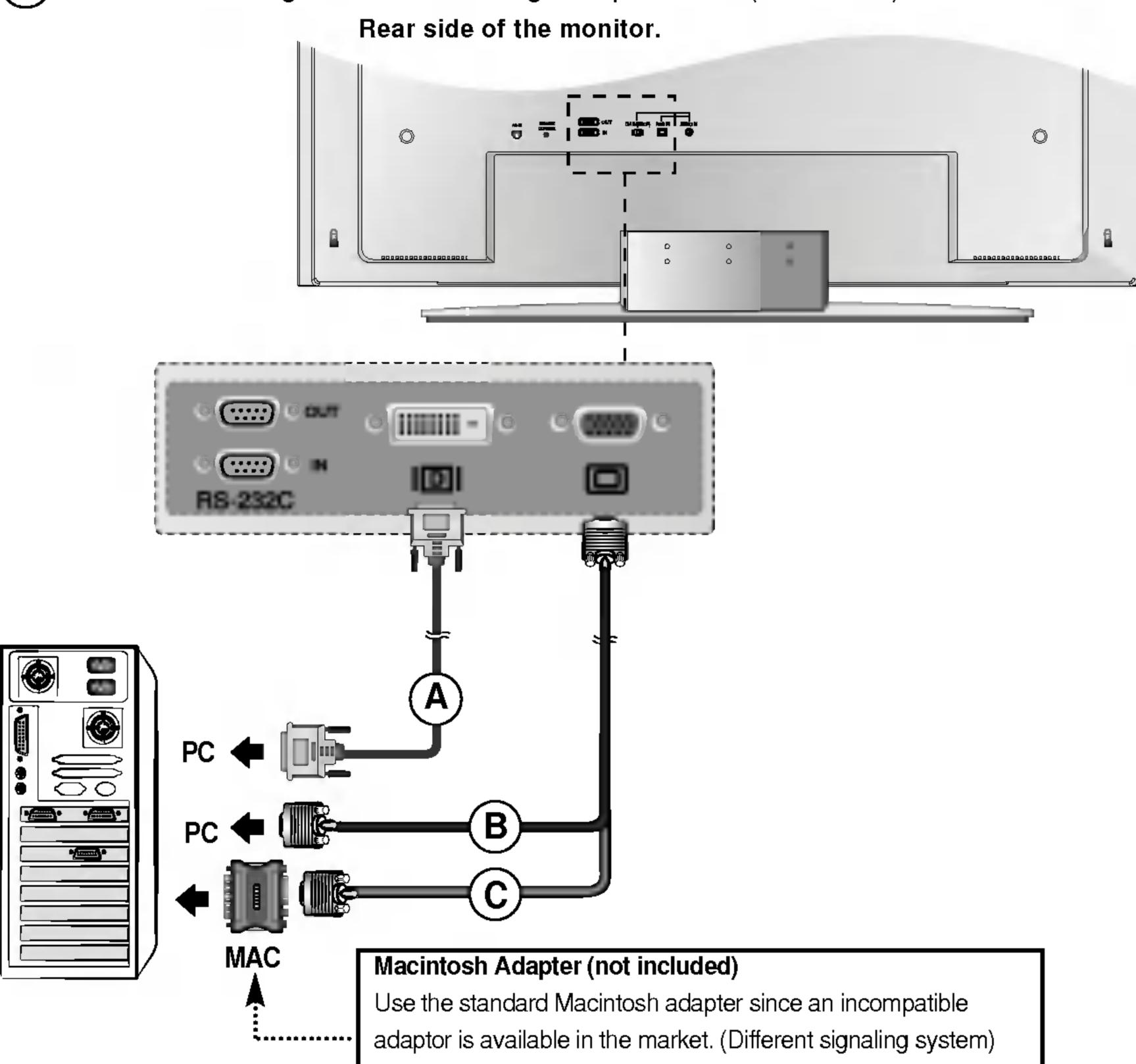
A terminal used to connect to the speaker including a built-in amplifier (Amp). Make sure that the connecting terminal of the PC sound card is checked before connecting. If the Audio Out of PC sound card has only Speaker Out, reduce the PC volume.

If the Audio Out of the PC sound card supports both Speaker Out and Line Out, convert to Line Out using the card jumper of the program (Refer to the Sound Card Manual).

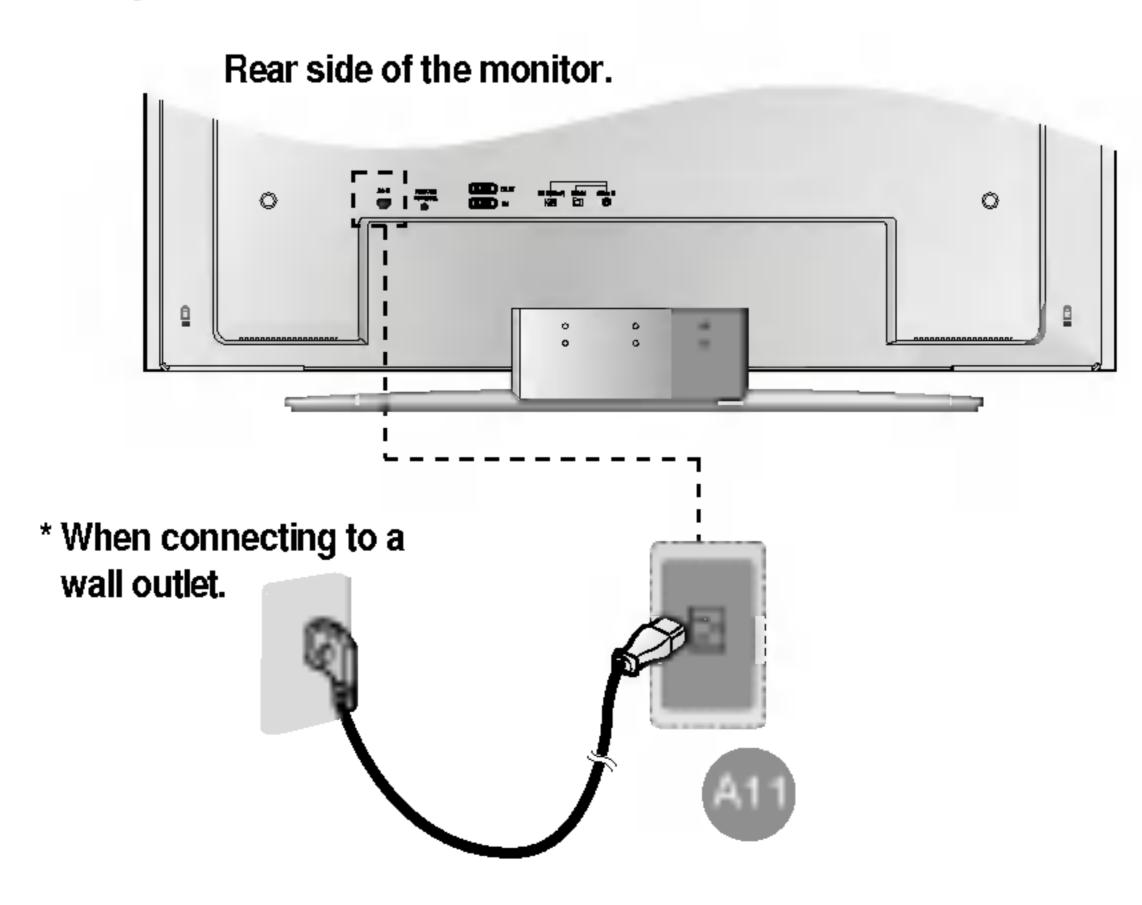
Connecting to External Devices

When Connecting to your PC

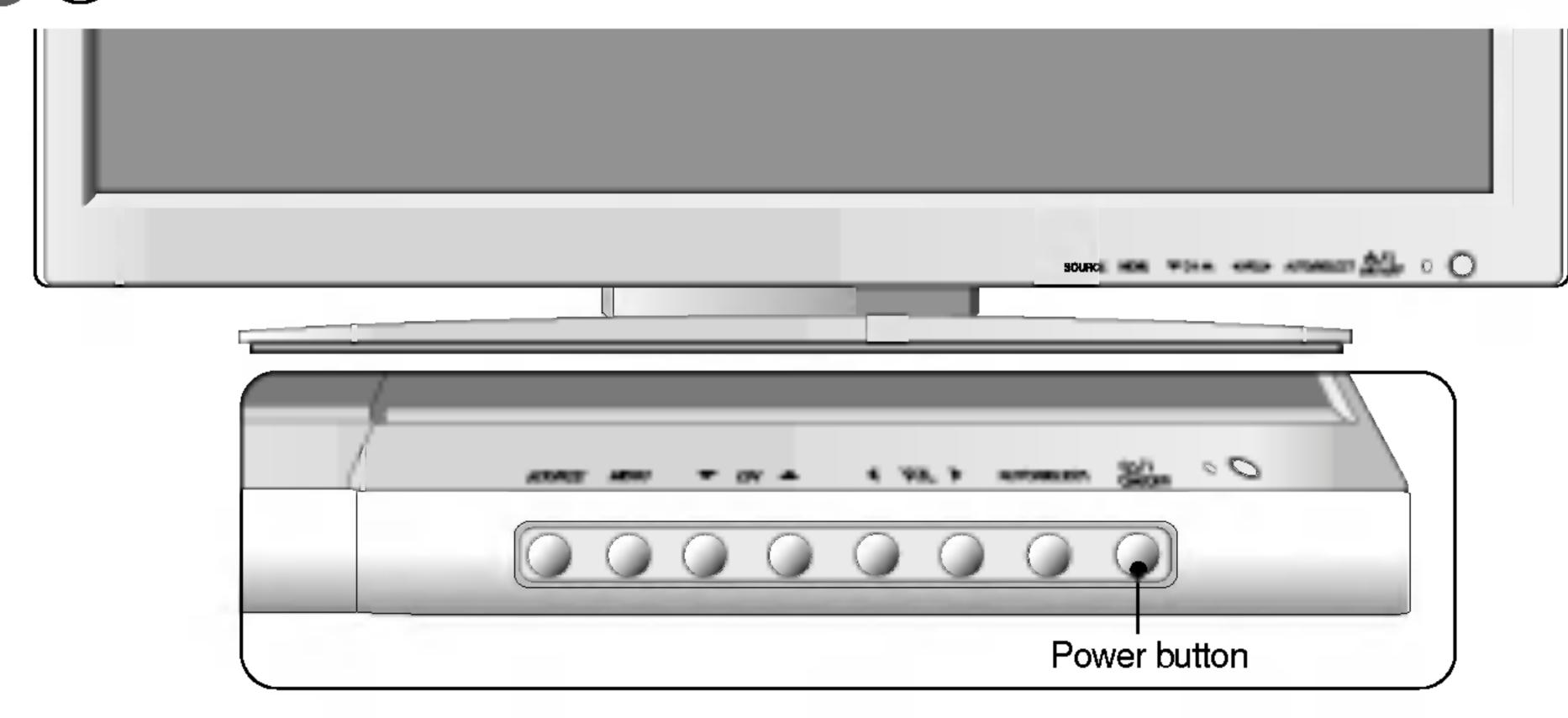
- First of all, see if the computer, monitor and the peripherals are turned off. Then, connect the signal input cable.
 - (A) When connecting with the DVI signal input cable.
 - (B) When connecting with the D-Sub signal input cable. (IBM compatible PC)
 - (C) When connecting with the D-Sub signal input cable. (Macintosh)



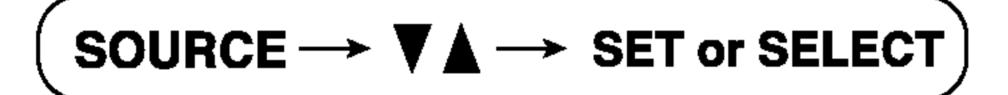
Connect the power cord.



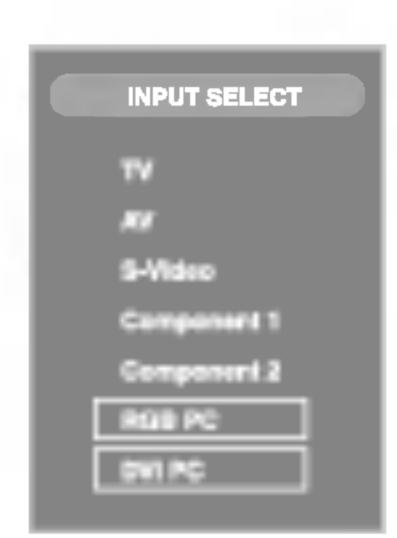
(A) Turn on power by pressing the power button on the monitor.



- (B) Turn on the PC.
- Select an input signal. Press the SOURCE button on the remote controller to select the input signal. Or, press the SOURCE button at the front side of the monitor.



- When connecting with a DVI-D signal input cable.
 Select **DVI PC**: DVI-D digital signal.
- (B) When connecting with a D-Sub signal input cable.
 - Select RGB PC: 15-pin D-Sub analog signal.



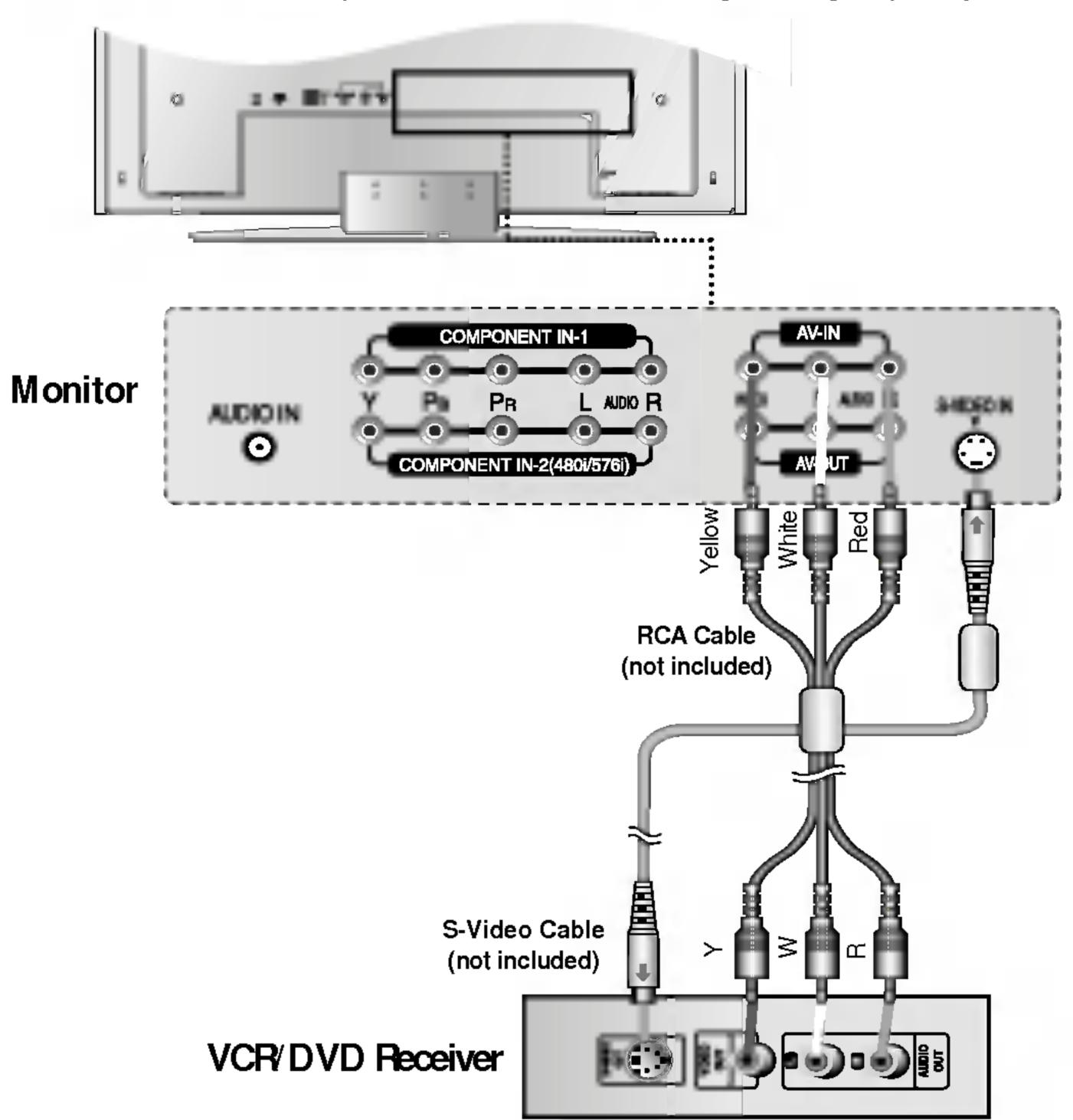


- ☐ How to connect to two computers.
 - Connect the signal cables (DVI and D-Sub) to each computer.
 - Press the SOURCE button in a remote controller to select the computer to use.
- ☐ Directly connect to a grounded power outlet on the wall or a power bar with a ground wire.

Connecting to External Devices

Connecting the VCR/ DVD

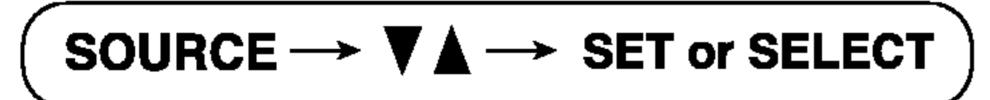
- Connect the video cable as shown in the below figure and then connect the power cord (See page A11).
 - When connecting with a RCA cable.
 Connect the input terminal with a proper color match.
 - (Video Yellow, Sound (left) White, Sound (right) Red)
 - When connecting with a S-Video cable.
 Connect to the S-Video input terminal to watch high image quality movies.



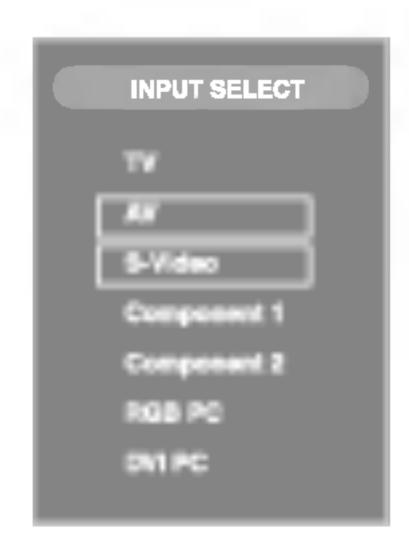
Select an input signal.

Press the SOURCE button on the remote controller to select the input signal.

Or, press the SOURCE button at the front side of the monitor.



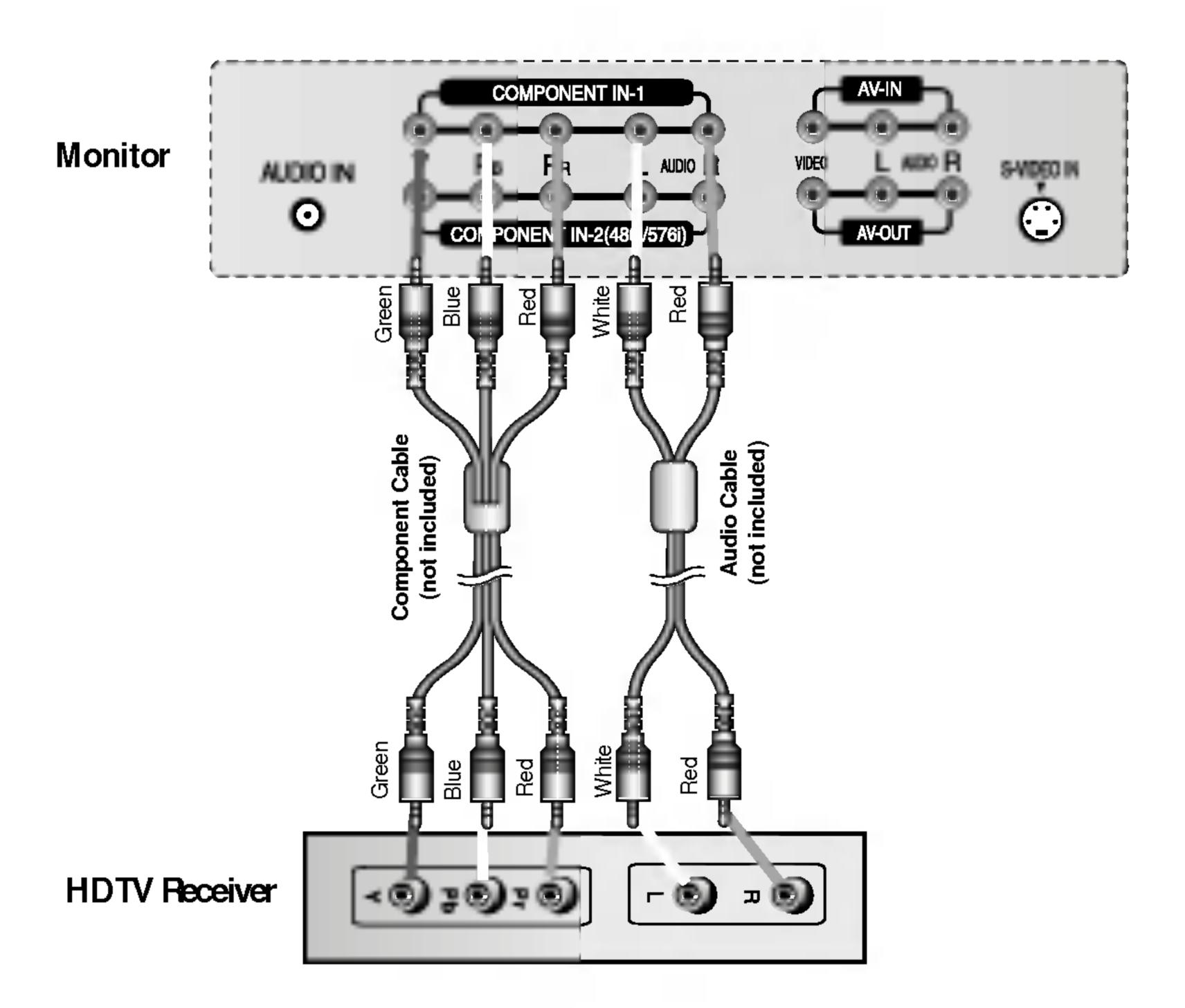
- A) When connecting with an RCA cable.Select AV.
- (B) When connecting with an S-Video cable.
 - Select S-Video.





Connecting the HDTV(720p/1080i)

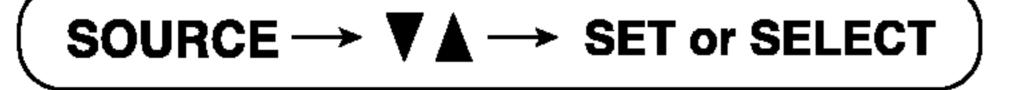
- Connect the video/audio cable as shown in the below figure and then, connect the power cord (See page A11).
 - Connect the input terminal with a proper color match.



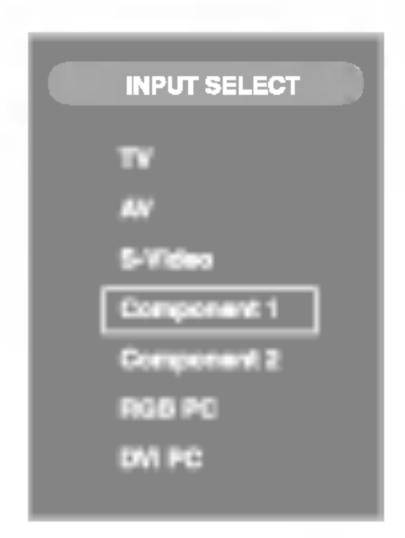
Select an input signal.

Press the SOURCE button on the remote controller to select the input signal.

Or, press the SOURCE button at the front side of the monitor.



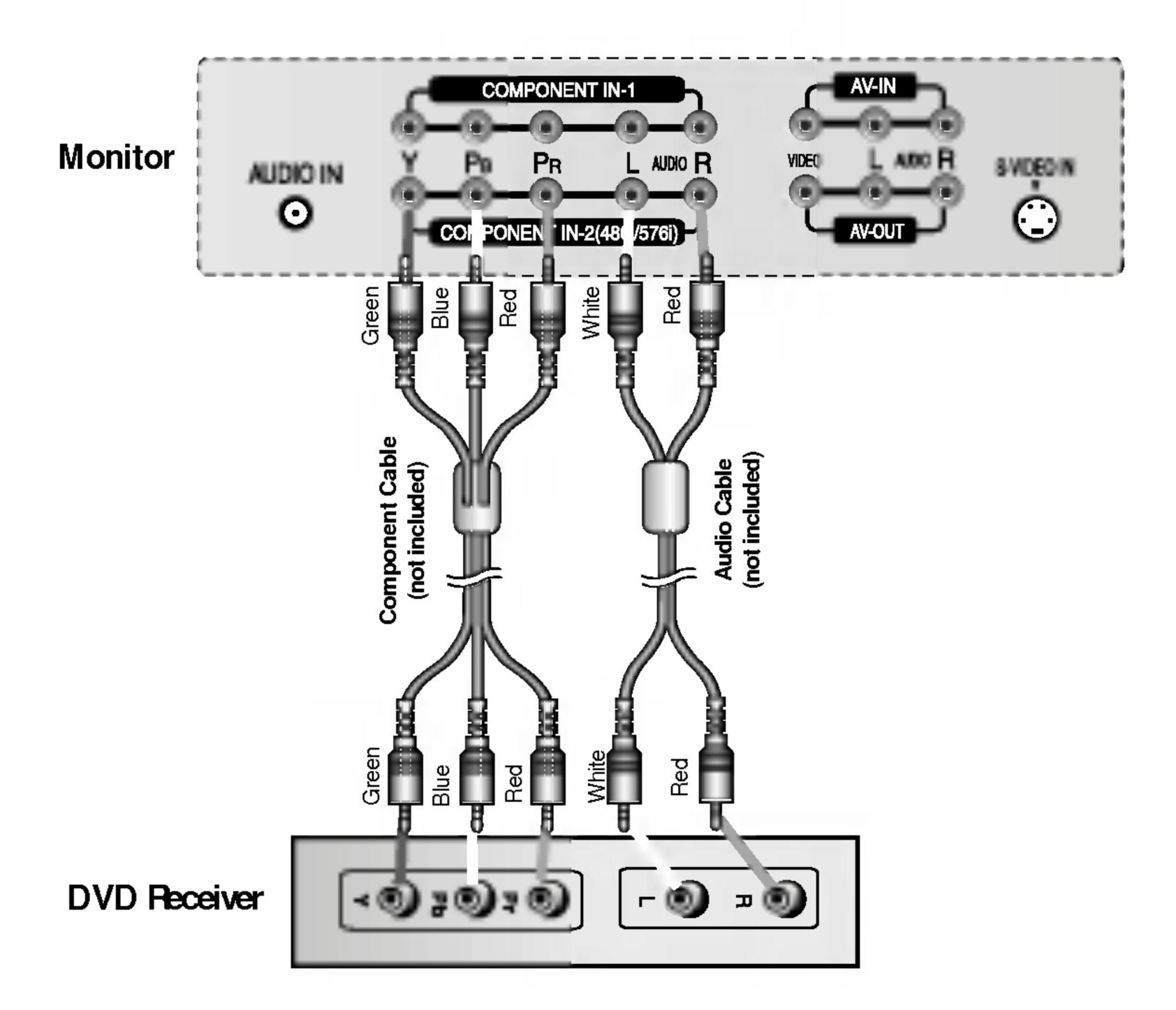
Select Component 1.



Connecting to External Devices

Connecting the DVD(480i)

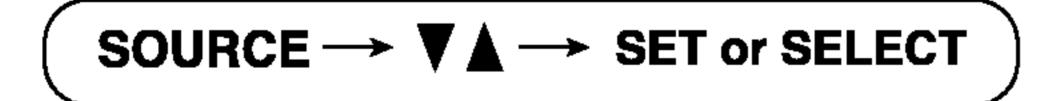
- Connect the video/audio cable as shown in the below figure and then, connect the power cord (See page A11).
 - Connect the input terminal with a proper color match.



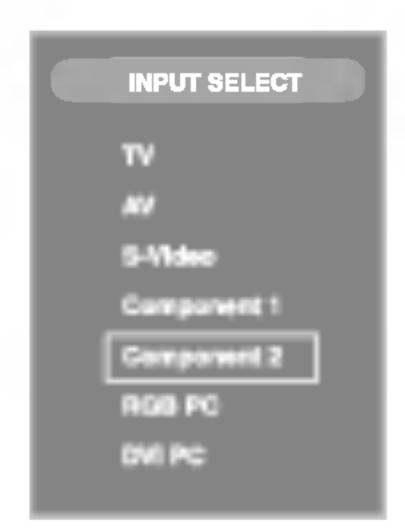
Select an input signal.

Press the SOURCE button on the remote controller to select the input signal.

Or, press the SOURCE button at the front side of the monitor.

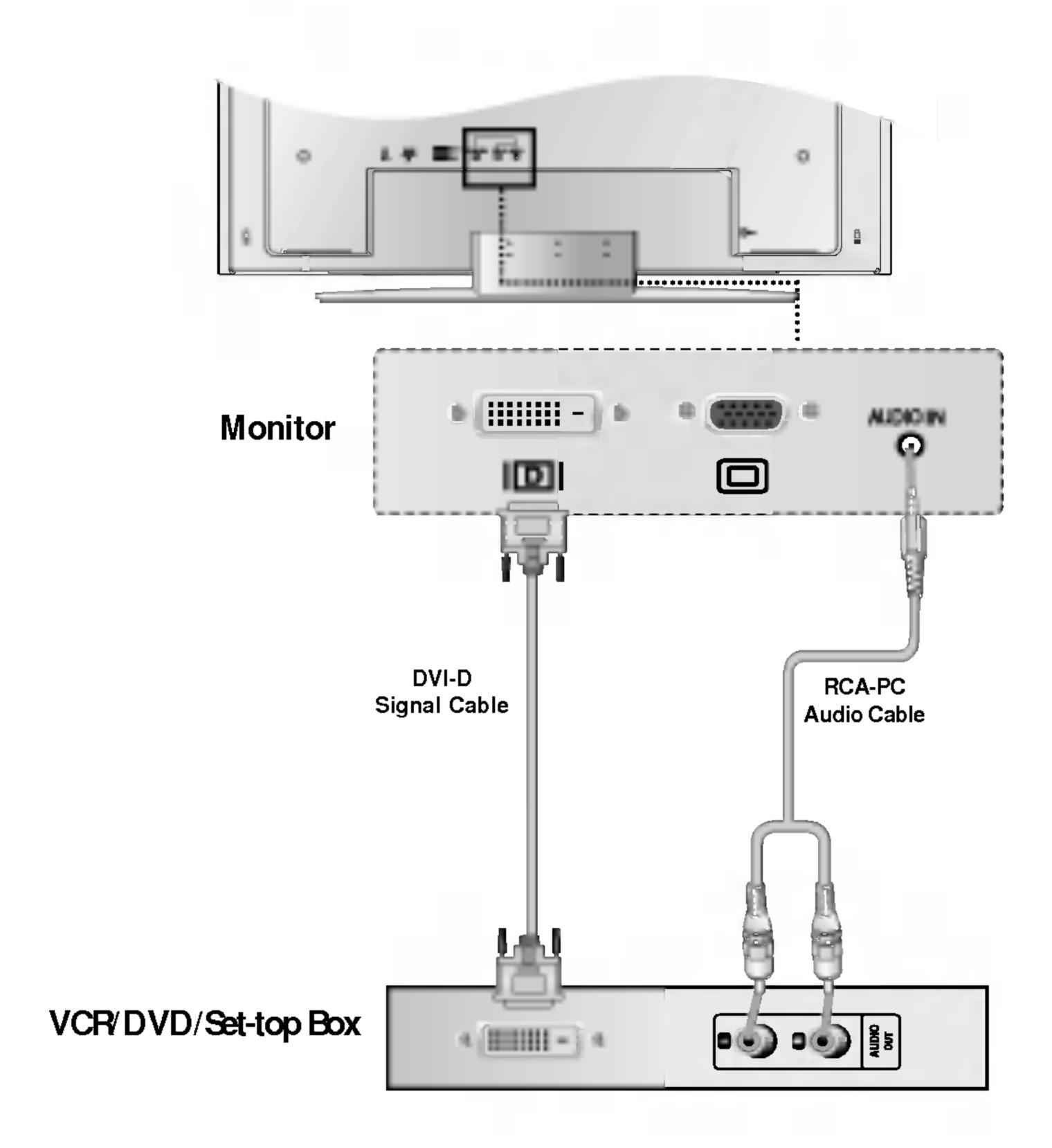


Select Component 2.



Connecting to DVI-D(HDCP) from the DVD/SET-TOP BOX

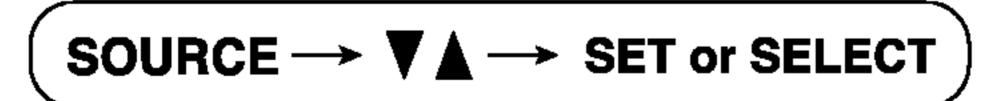
Connect the video/audio cable as shown in the below figure and then connect the power cord (See page A11).



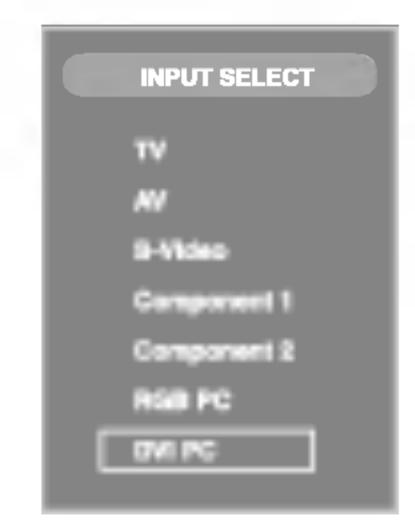
Select an input signal.

Press the SOURCE button on the remote controller to select the input signal.

Or, press the SOURCE button at the front side of the monitor.



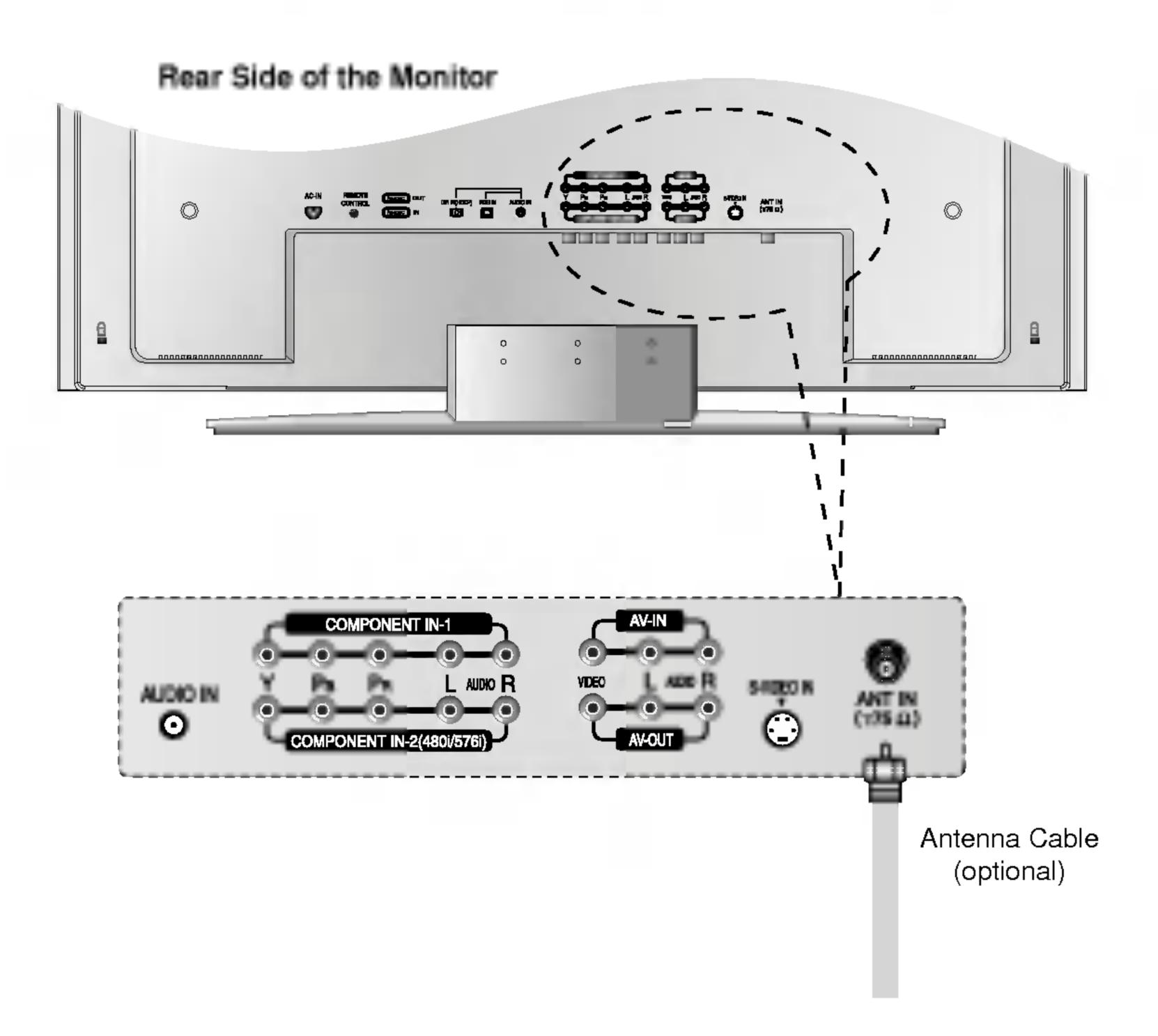
• Select **DVI PC**.



Connecting to External Devices

Connecting the TV

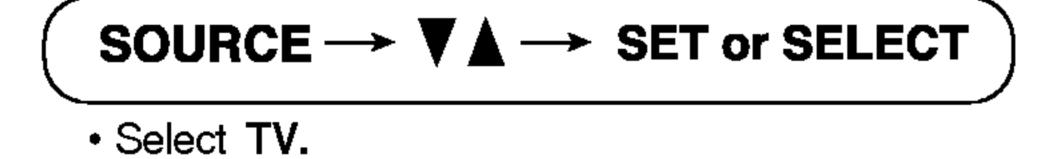
See if the antenna cable is connected at the rear side of the monitor and then, connect the power cord (see page A11).

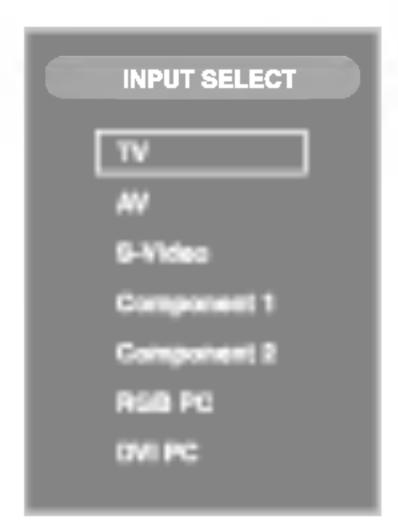


Select an input signal.

Press the SOURCE button on the remote controller to select the input signal.

Or, press the SOURCE button at the front side of the monitor.





Connecting AV Qutputs

Connect to the external device if you record the broadcasting.

■ When you set the input signal of the main screen as 'AV (CVBS)', you can transmit the signal that you're watching to the AV output terminal.

Monitor

COMPONENT IN-1

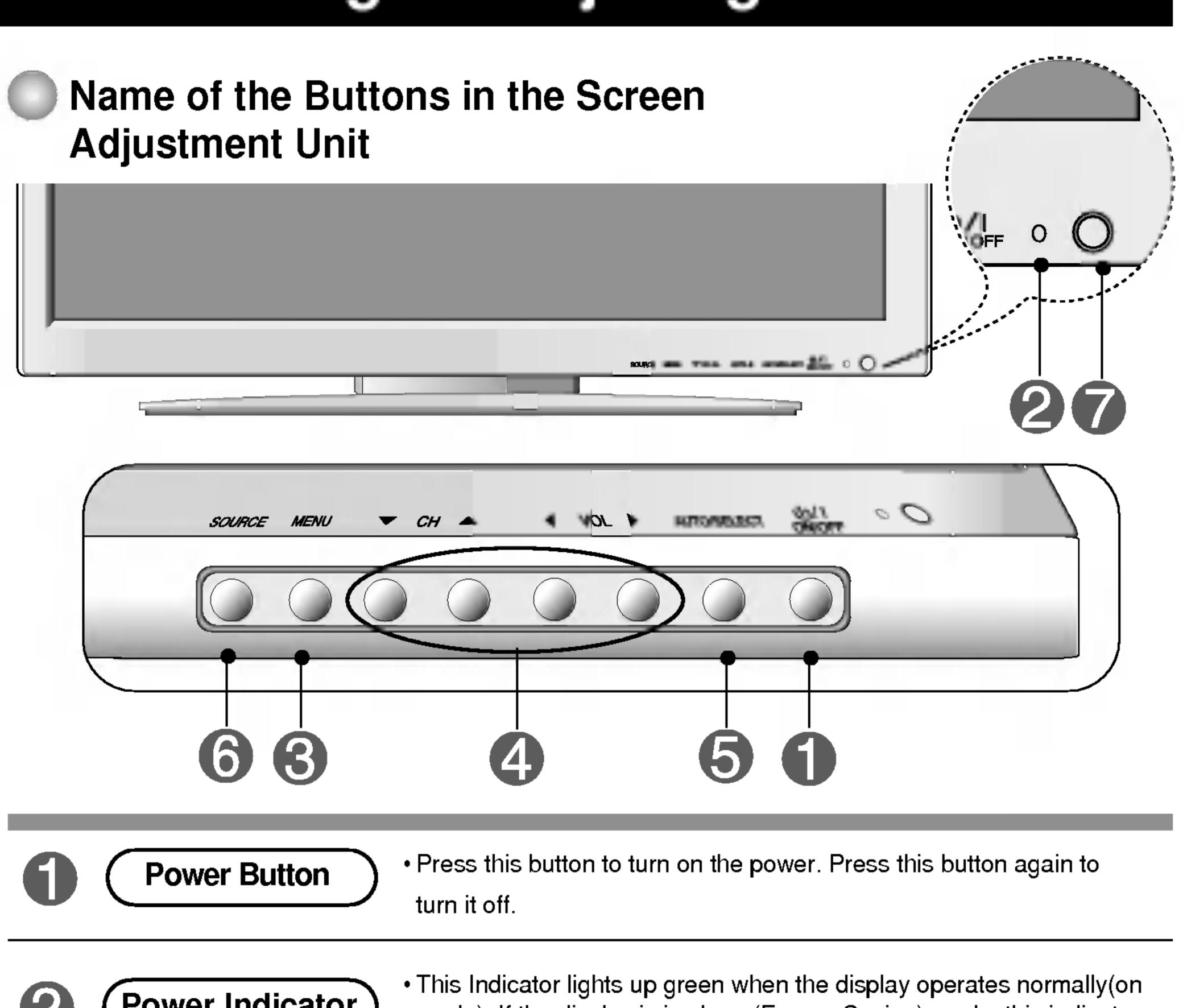
AV-IN

PR L AUDIO R

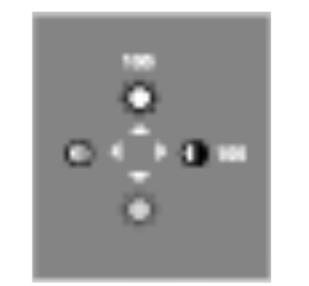
COMPONENT IN-2(4800/576i)

A JUT

Wideo/TV/ Monitor



- Power Indicator
- mode). If the display is in sleep (Energy Saving) mode, this indicator color changes to amber.
- **MENU Button**
- Use this button to show/hide the OSD (On Screen Display) menu screen.
- OSD Select / **Adjust Button**
- Use this button to select an icon or adjust the setting in the OSD screen.
- Use this button to directly control brightness and contrast of the PC signal (RGB PC / DVI PC).



Adjust the volume.



Name of the Buttons in the Screen Adjustment Unit

AUTO/SELECT Button)

[For PC Analog signal]

Auto in progress

[Other signals]

• The current signal and mode information will be displayed.

SOURCE Button

SOURCE → V A → AUTO/SELECT

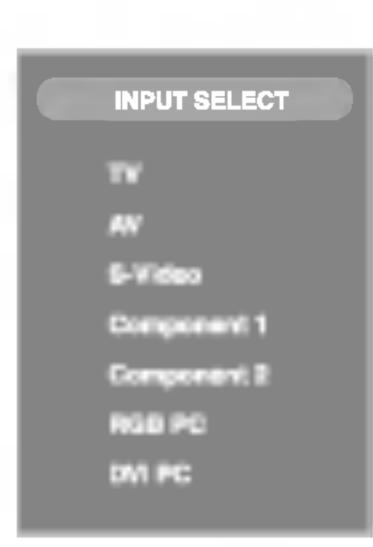
Select the input signal

Television TV AVComposite Video S-Video Separate Video HDTV

Component 1 Component 2 DVD

RGB PC 15-pin D-Sub analog signal

DVI digital signal DVI PC







The unit that receives the signal from the remote controller.



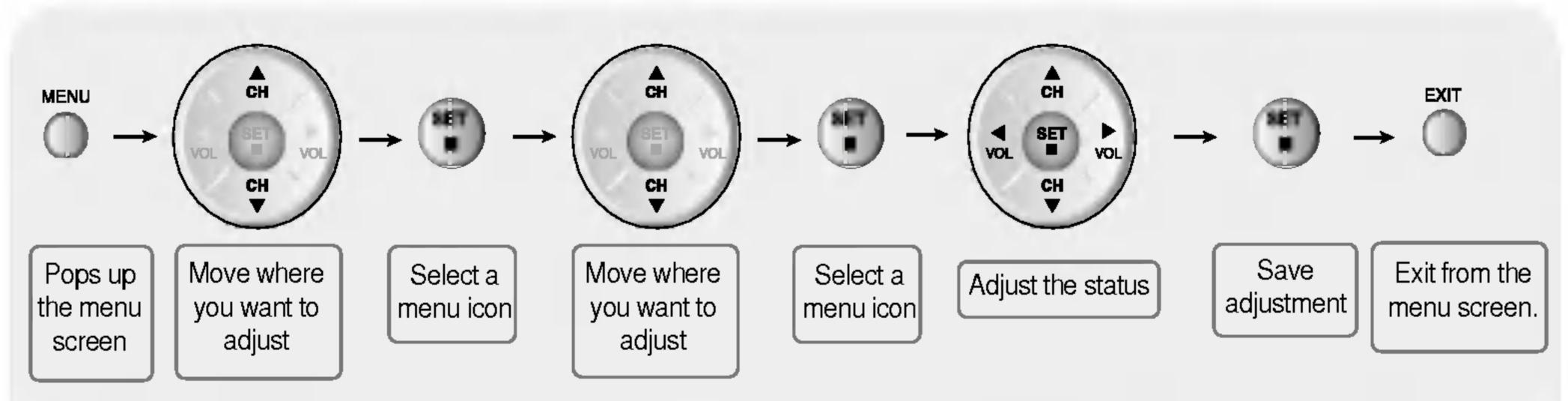
OSD Menu

lcon	Function Description
STATION	Set/Selects the channel. (available only when watching TV)
PICTURE	Adjusts screen brightness, contrast and color that you prefer.
SOUND	Adjusts the audio function.
TIMER	Adjusts the timer function.
SPECIAL	Adjusts the screen status according to the circumstances.
SCREEN	Adjusts the screen video.
PIP/POP/PBP	Adjusts PIP/POP/PBP mode function.



The OSD function enables you to adjust the screen status conveniently since it provides graphical presentation.

How to adjust the OSD (On Screen Display) screen



- Use the remote controller to adjust the OSD screen.
- Press the MENU Button, then the main menu of the OSD appears.
- To access a control, use the 🔻 🛕 Buttons.
- When the icon you want becomes highlighted, press the **SET** Button.
- Use the ∇ \triangle \blacksquare Buttons to adjust the item to the desired level.
- Accept the changes by pressing the SET Button.
- Exit the OSD by pressing the **EXIT** Button.

How to adjust the screen automatically

You need to adjust the screen display when connecting the monitor to a new computer or changing the mode. Refer to the following section to set an optimal monitor screen.

Auto in progress

Press the AUTO/SELECT button (**AUTO button** in a remote controller) in the PC analog signal. Then, an optimal screen status will be selected that fits into the current mode.

If adjustment is not satisfactory, you need to adjust screen position, clock and phase in the OSD menu.



Set/Selects the channel when using the VCR/DVD/HDTV/TV



EZ Scan



To automatically search the available TV channels.

To Start

Press button to start automatic programming, all available TV channels are searched and stored automatically. To stop auto CH progress, press the **MENU** or **SET** button.

 Wait for auto CH progress to complete the channel search cycle before choosing a channel. The TV scans for over-the-air channels and then channels provided by a cable service.

Manual Program



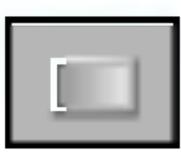
To search, Add or Delete channels.

Channel Press ▶ button and then use ◀ ▶ button to select the channel.

Memory / Erase

User can do manual channel selection and store or erase individual channels. Press ▶ button and then use ◀ ▶ button to select a channel you want to add to memory or erase. Press the ▼ button and then use ◀ ▶ button to select **Memory**(add) or **Erase**(delete).

Fine Tune In case of poor reception, you can improve the reception by fine tuning. Use the ◀ ▶ buttons to fine tune for the best picture and sound.



Adjusting Screen Color

EZ Video



TV/AV/S-Video/Component 1/ Component 2 input only

The EZ Video function automatically adjusts the screen image quality depending on the AV/TV usage environment.

- Dynamic: Select this option to display with a sharp image.
- Standard: The most general and natural screen display status.
- Mild: Select this option to display with a mild image.
- Game: Select this option to enjoy dynamic image when playing a game.
- User: Select this option to use the user-defined settings.



Contrast

To adjust the contrast of the screen.

BrightnessTo adjust the brightness of the screen.

Color

To adjust the color to desired level.

SharpnessTo adjust the cleaness of the screen. **Tint**To adjust the tint to desired level.

ACC



Selecting a factory setting color set.

- Warm : Slightly reddish white. • Normal : Slightly bluish white.
- Cool : Slightly purplish white.



If the input is RGB PC(D-Sub analog)/DVI PC(DVI Digital), the adjustable items in the ACC function are color temp (9300K / 6500K).

If the 'EZ Video' setting in the PICTURE menu is set to Dynamic, Standard, Mild or Game the subsequent menus will be automatically set.



Adjusting Screen Color

ACC



RGB PC / DVI PC input only

• 6500K/9300K

Selecting a factory setting color set. 6500K: Slightly reddish white. 9300K: Slightly bluish white.

• User : Select this option to use the user-defined settings.



Contrast

To adjust the contrast of the screen.

BrightnessTo adjust the brightness of the screen.

Red / Green / Blue

Set your own color levels.



Adjusting the audio function

EZ Audio



The best sound tone quality will be selected automatically depending on the video type that you're currently watching.

Flat

The most commanding and natural audio.

Music

Select this option to enjoy the original sound when listening to the music.

Movie

Select this option to enjoy sublime sound.

Speech

Select this option to watch sports broadcasting.

User

Select this option to use the user-defined audio settings.

Balance

Use this function to balance sound from the left and right speakers.

AVL

To adjust uneven sound volumes across all channels or signals automatically to the most appropriate level. To use this feature, select ON. (It is adjustble to the TV input signal only.)

SRS WOW

Set the SRS WOW menu on.

The SRS WOW function plays back the mono or stereo sound input with the dynamic surround effects. It will provide rich and profound sound tone. If you set the SRS WOW on, user audio setting can not be adjusted.



When connected to your computer and the 'EZ Audio' setting in the audio menu is one of Flat, Music, Movie or Speech, the available menus are Balance, AVL and SRS WOW.



Adjusting the timer function

Clock



Auto

The time is set automatically through from a PBS broadcast signal. The PBS channel signal includes information for the correct time and daylight saving time.

- 1) Press the MENU button and then use ▼ ▲ button to select the TIMER menu.
- 2) Press the ▶ button and then use ▼ ▲ button to select the Clock menu.
- 3) Press the ▶ button and then use ▼ ▲ button to select the Auto menu.
- 4) Press the ▶ button and then use ▼ ▲ button to select the Time Zone for your viewing area. Your choices are: Auto, E.S.T (Eastern Standard Time), C.S.T (Central Standard Time), M.S.T (Mountain Standard Time), P.S.T (Pacific Standard Time), Alaska and Hawaii.
- 5) Press the ▼ button and then use ◄ ▶ button to set PBS channel.
- 6) Press the ▼ button and then use ◄ ▶ button to set **D.S.T** (Daylight Savings Time) **Auto**, **Off** or **On**, depending on whether or not your viewing area observes Daylight Savings Time.

Manual

If the time is on the clock is incorrect, reset the clock manually.

- 1) Press the MENU button and then use ▼ ▲ button to select the TIMER menu.
- 2) Press the ▶ button and then use ▼ ▲ button to select the Clock menu.
- 3) Press the ▶ button and then use ▼ ▲ button to select the Manual menu.
- 4) Press the **button and then use** ▼ **button to set the hour(01~12)**.
- 5) Press the ▶ button and then use ▼ ▲ button to set the minutes(00~59).
- 6) Press the ▶ button and then use ▼ ▲ button to set the morning(AM) or afternoon(PM).

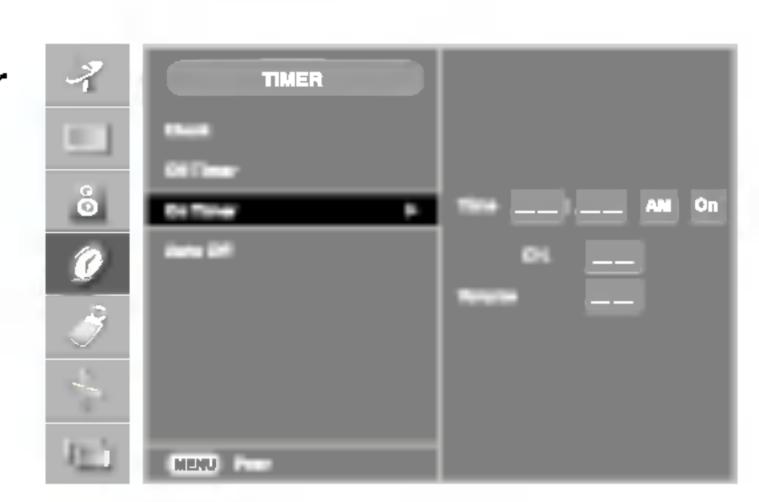


- \square In the event of power interruption (disconnection or power failure), the **Clock** must be reset.
- ☐ Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.
- \square Once the **On** or **Off Timer** is set, these functions operate daily at the preset time.
- \square Off Timer function overrides On Timer function if they are set to the same time.
- ☐ The set must be in off mode for the **On time**r to work.



Adjusting the timer function

Off / On Timer

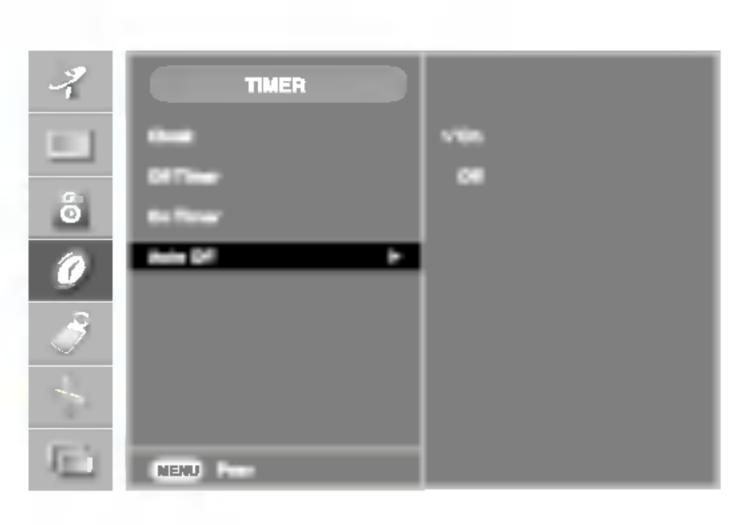


Setting is available, however, operation is only allowed upon TV input

The off timer automatically switches the set to standby at the pre-set time.

- 1) Press the MENU button and then use ▼ ▲ button to select the TIMER menu.
- 2) Press the ▶ button and then use ▼ ▲ button to select Off Timer or On Timer.
- 3) Press the ▶ button and then use ▼ ▲ button to set the hour(01~12).
- 4) Press the ▶ button and then use ▼ ▲ button to set the minutes(00~59).
- 5) Press the ▶ button and then use ▼ ▲ button to set the morning(AM) or afternoon(PM).
- 6) Press the ▶ button and then use ▼ ▲ button to select On or Off.
- 7) Only On Timer function; Press the ▶ button and then ▼ ▲ button to set the channel at turn-on. Then, press the ▶ button and then use ▼ ▲ button to set the turn-on sound level.

Auto Off



Setting is available, however, operation is only allowed upon TV input

If **Auto Off** is active and there is no input signal, the TV swithchs to Standby mode automatically after 10 minutes.

- 1) Press the MENU button and then use ▼ ▲ button to select the Auto Off menu.
- 2) Press the ▶ button and then use ▼ ▲ button to select On or Off.



Selecting the options



Input



If you press the button once, the following Input Signal Window will appear. Select the signal type you want using the ▼ ▲ button.

Child Lock

Use the ▼ ▲ buttons to select On or Off. The TV can be set up so that it can only be used with the remote control. This feature can prevent unauthorized viewing.

In order to lock the OSD screen adjustment, set the **Child Lock** tab to the **'On' position**. In order to unlock it, do the following:

1) Push the MENU button on the remote control and set Child Lock to the 'Off' position.

Language

To choose the language in which the control names are displayed.

Power Indicator

Use this function to set the power indicator on the front side of the monitor to **On** or **Off**. If you set **Off**, it will go off. If you set **On** at any time, the power indicator will automatically be turned on.

Transparency

To adjust the transparency of the OSD menu screen.

Zoom



Use this function to zoom in the screen. When you turn the monitor off and on again, the default screen size will be restored. Press the ▶ button to display the submenu for Zoom.

- * If the zooming value is set to '0', vertical and horizontal positioning cannot be adjusted.
- * The variable range can differ according to the type of the input signal.

Reset

Use this function to reset the monitor to the factory default. However, language selection will not be initialized.



the **Zoom menu** will be disabled if the screen size is not Full or PIP/POP/PBP is in use.



Selecting the options



Set ID

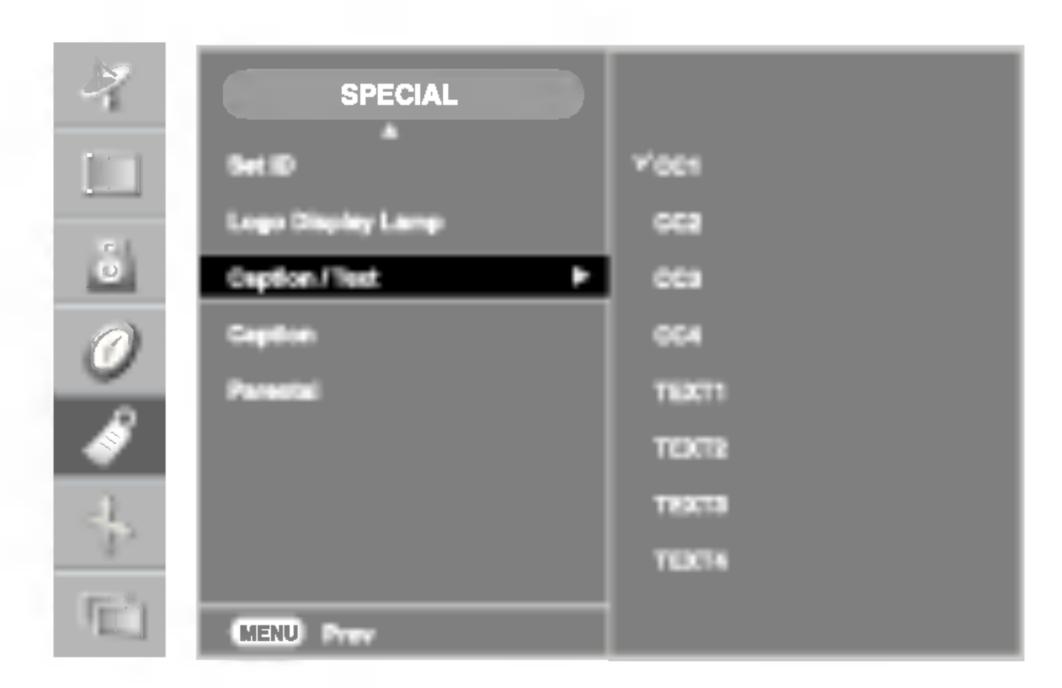


You can assign a unique **Set ID** NO (name assignment) to each monitor when several monitors are connected for display. Specify the number (0~99) using the ▼ ▲ button and exit. Use the assigned **Set ID** to individually control each monitor using the Monitor Control Program.

Logo Display Lamp Use this function to set the Logo Dispaly Lamp on the front side of the monitor to **On** or **Off**. If you set **On**, the lamp will automatically be turned on.



Selecting the options (To adjust the CAPTION & VCHIP function - Optional)



Caption / Text

Use the ▼ ▲ buttons to select caption mode.

Text services give a wide variety of information on all kind of subjects(ex. captioned program lists, weather forecasts, stock exchange topics, news for hearing-impaired....) on up to half of the TV screen. But not all stations offer text services, even though they might offer captioning.

In the event you are receiving a poor signal, an empty black box may appear and disappear, even when the text mode is selected. This is a normal when receiving a poor signal. This TV is programmed to remember the CAPTION / TEXT mode it was last set to, when you turn the power off.



Selecting the options (To adjust the CAPTION & VCHIP function - Optional)

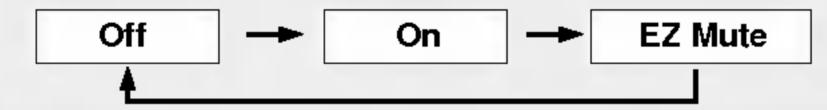
Caption



Use the ▼ ▲ buttons to select captions.

[Remote Control]

■ Press the CAPTION button repeatedly to display the caption option as shown below. Press the SET button to select the caption option.

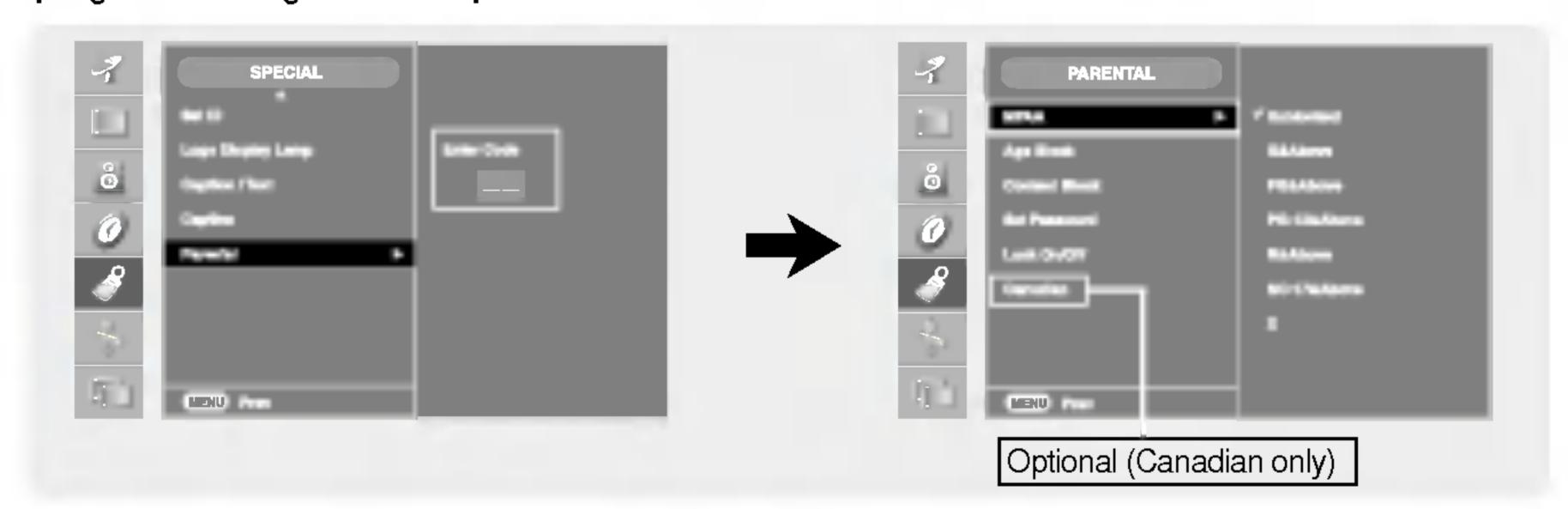


* EZ Mute

: If sound is on, the caption will be off. On the contrary, if sound is off, the caption will be on.

Parental

This function is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period.



Select the **PARENTAL** menu and click button. The **'Enter Code'** window will appear. Once the correct four-digit password is entered, sub-menu that allows a user to control various blocks will be enabled. The initial password is set for '0000' and it can be changed through **'Set Password'** menu.

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Selecting the options (To adjust the CAPTION & VCHIP function - Optional)

■ V-CHIP rating and categories

- Rating guidelines are provided by broadcast station. Most television programs and television movies can be blocked by TV rating and/or individual categories. Movies that have been shown at the theaters or direct-to-video movies use the Movies Rating System(MPAA) only.

■ For movies previously shown in theaters.

MPAA



■ MOVIE Ratings :

- Unblocked

- G&Above : General audience

- PG&Above : Parental guidance suggested

- PG-13&Above : 13 years and up
- R&Above : Restricted
- NC-17&Above : 17 years and up

- X : Adult

If you set PG-13&Above, G&Above and PG movies will be available:

PG-13, R, NC-17, and X will be blocked.

Age Block



■ GENERAL TV Rating :

- Unblocked

- TV-G&Above : General audience / Individual categories do not apply.

- TV-PG&Above : Parental guidance suggested

- TV-14&Above : 14 years and up : TV-MA : Mature audience

■ CHILDREN TV Rating :

- Unblocked

- TV-Y&Above : Youth / Individual content categories do not apply.

- TV-Y7 : Youth, 7 years and up.



Selecting the options (To adjust the CAPTION & VCHIP function - Optional)

Content Block



■ CONTENT Categories :

- Dialogue(sexual dialogue)
- Language(adult language)
- Sex Scene(sexual situations)
- Violence
- F Violence(fantasy violence)
- : Applies to TV-PG&Above, TV-14.
- : Applies to TV-PG&Above, TV-14&Above, TV-MA.
- : Applies to TV-PG&Above, TV-14&Above, TV-MA.
- : Applies to TV-PG&Above, TV-14&Above, TV-MA.
- : Applies only to TV-Y7.

Set Password

This menu is to be used to change password. Once the correct current password is entered using the number panel in a remote control, the window for new password will appear. Enter your choice of new four-digit password.

Lock On/Off

To select the VCHIP function ON/OFF.

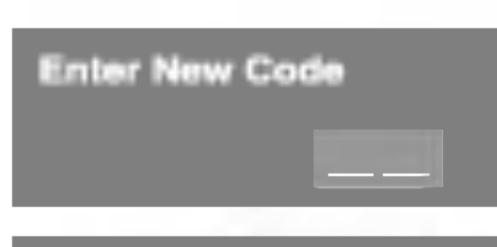
Setting a password

You control access to the parental controls with a password. The default password is '0000'. You can change the password to any four-digit number.

- 1 Open the OSD. -> Press the ▼ ▲ buttons to select the Special menu, then press the ▶ button to open the menu. -> Press the ▼ ▲ buttons to select the Parental sub-menu, then press the ▶ button to open the sub-menu.
- 2. Use the number pad to enter your password when prompted.

 If you have not set a passwod, enter 0000.

 If you are unable to correct the problem yourself, contact the service center.
- 3. Press the ▼ ▲ buttons to select the Set Password sub-menu, then press the ▶ button to change the setting. Use the number button pad to enter a new four-digit password when prompted.
- 4. Re-enter the new four-digit password when prompted.







Selecting the options (To adjust the CAPTION & VCHIP function - Canadian Only)

■ V-CHIP rating and categories (Optional) - Canadian Rating System

- Rating guidelines are provided by broadcast station. Most television programs and television movies can be blocked by TV rating and/or individual categories.

Canadian

- English



■ MOVIE Ratings :

- Unblocked

C&Above : Under 8 years
 C8&Above : 8 years and up
 G&Above : General audience

- PG&Above : Parental guidance suggested

- 14+ : 14 years and up

- 18+ : Adult

Canadian

- Français



■ MOVIE Ratings :

- Unblocked

- G&Above : General audience
- 8 ans + : 8 years and up
- 13 ans + : 13 years and up
- 16 ans + : 16 years and up
- 18 ans + : 18 years and up

Closed Captions - Optional

Closed captioning is a process which converts the audio portion of a television program into written words which then appear as subtitles on the television screen. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions

Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It is possible to caption a live program by using a process called real-time captioning, which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English.

Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.

Caption Tips

- 1. Not all TV broadcasts include closed caption signals.
- 2. Sometimes TV stations broadcasts four different caption signals on the same channel. By selecting From CC1 ~ CC4, TEXT1 ~ TEXT4 you can choose which signal you view CC1 is usually the signal with the captions, while Another mode might show demonstration or programming information.
- 3. Your TV might not receive caption signals normally in the following situations.
- Poor reception conditions are encountered :
 - IGNITION:

Picture may flutter, drift, suffer from black spots, or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.

- GHOSTS :

Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

- SNOW :

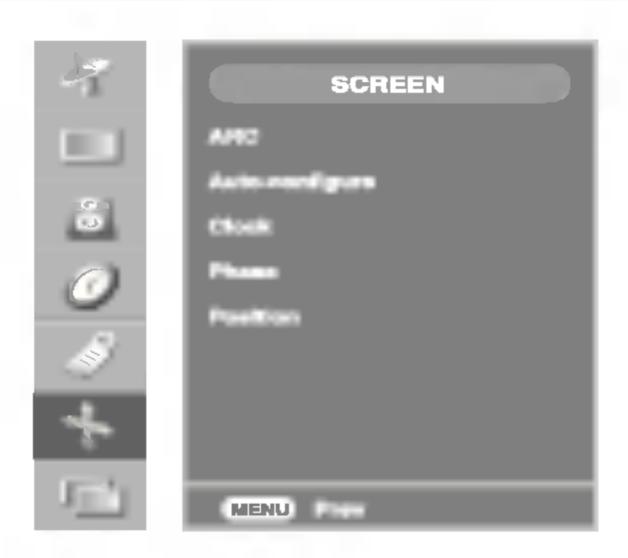
If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

- An old, bad or illegally recorded tape is playing.
- Strong, random signals from a car or airplane interfere with the TV signal.
- The signal from the antenna is weak.
- The program wasn't captioned when it was produced, transmitted, or taped.

Selecting and Adjusting the Screen



Adjusting Screen CLOCK/PHASE and Position



ARC

To select the image size of the screen.

<TV/AV/S-Video/Component 1, 2 input only>



< RGB PC / DVI PC input only>





^{*} When the component 1 input signal is 720p or 1080i, the spectacle function is not supported.

Autoconfigure

This button is for the automatic adjustment of the screen position, clock and phase. This function is suitable for analoge singnal input only(RGB PC input only).

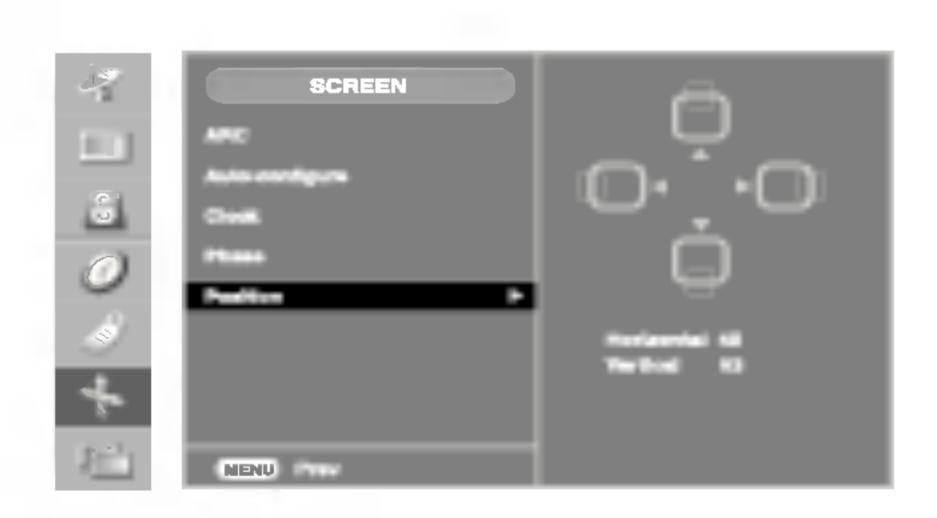
Clock

To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change. This function is suitable for analoge singnal input only(RGB PC input only).

Phase

To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters. This function is suitable for analoge singnal input only(RGB PC input only).

Position



To adjust position of the screen. (RGB PC input only).

Press the button to display the submenu for position.

✓ Left

Moving the screen position horizontally. ► Right

▲ Up

Moving the screen position vertically. Down



Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

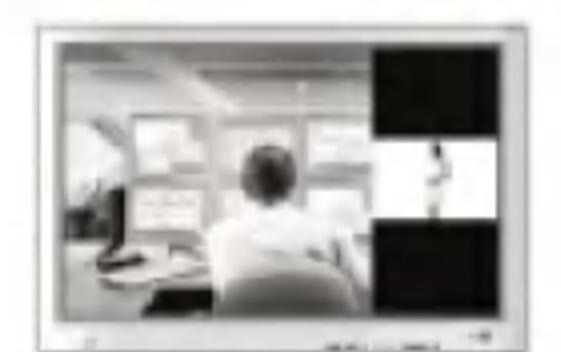


On/Off



PIP

After selecting PIP in the PIP On/Off menu, the following menu items can be adjusted.



POP

After selecting POP in the POP On/Off menu, the following menu items can be adjusted.



PBP

After selecting PBP in the PBP On/Off menu, the following menu items can be adjusted.

Source

To select an input signal for PIP/POP/PBP.

Size

Image

To adjust the size of the PIP/POP/PBP screen. (PIP: Small, Medium, Large / PBP: Full, 4:3)

To adjust the image of the PIP/POP/PBP screen; Press the button to display the submenu for PIP/POP/PBP image. Use the buttons to adjust the item to the desired level. The items of the sub-menu may vary depending on the type of the source.



■ Contrast

Adjust PIP/POP/PBP screen contrast.

■ Brightness

Adjust PIP/POP/PBP screen brightness.

■ Color

Adjust the PIP/POP/PBP screen color.

To adjust the tint to desired level.

This function is available only in NTSC broadcasting mode.

* The sub-menu can differ according to the type of the input signal.

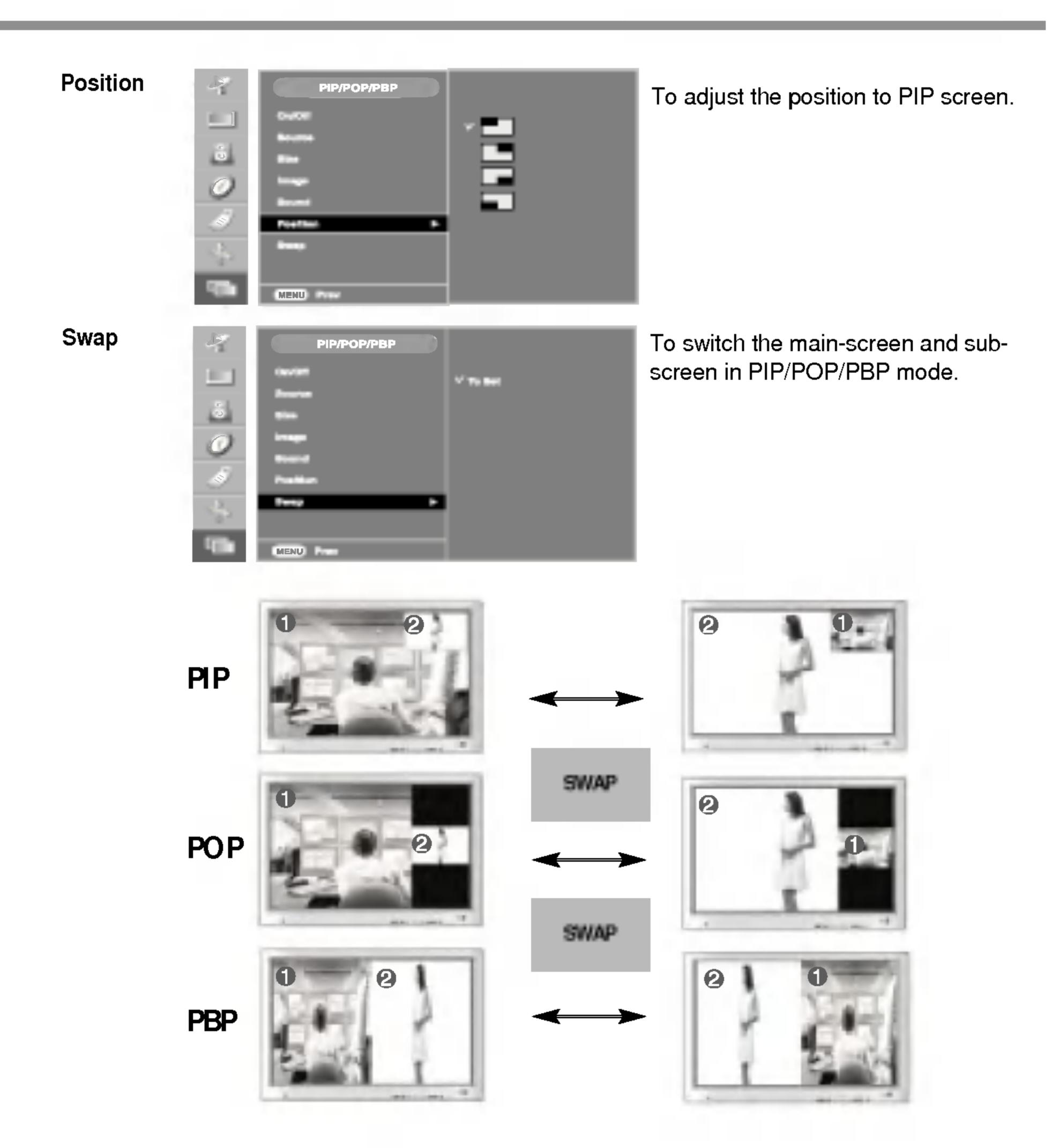
Sound

To turn the PIP/POP/PBP sound on/off.

Selecting and Adjusting the Screen



Adjusting PIP/POP/PBP Mode (Multiple Screen) Functions

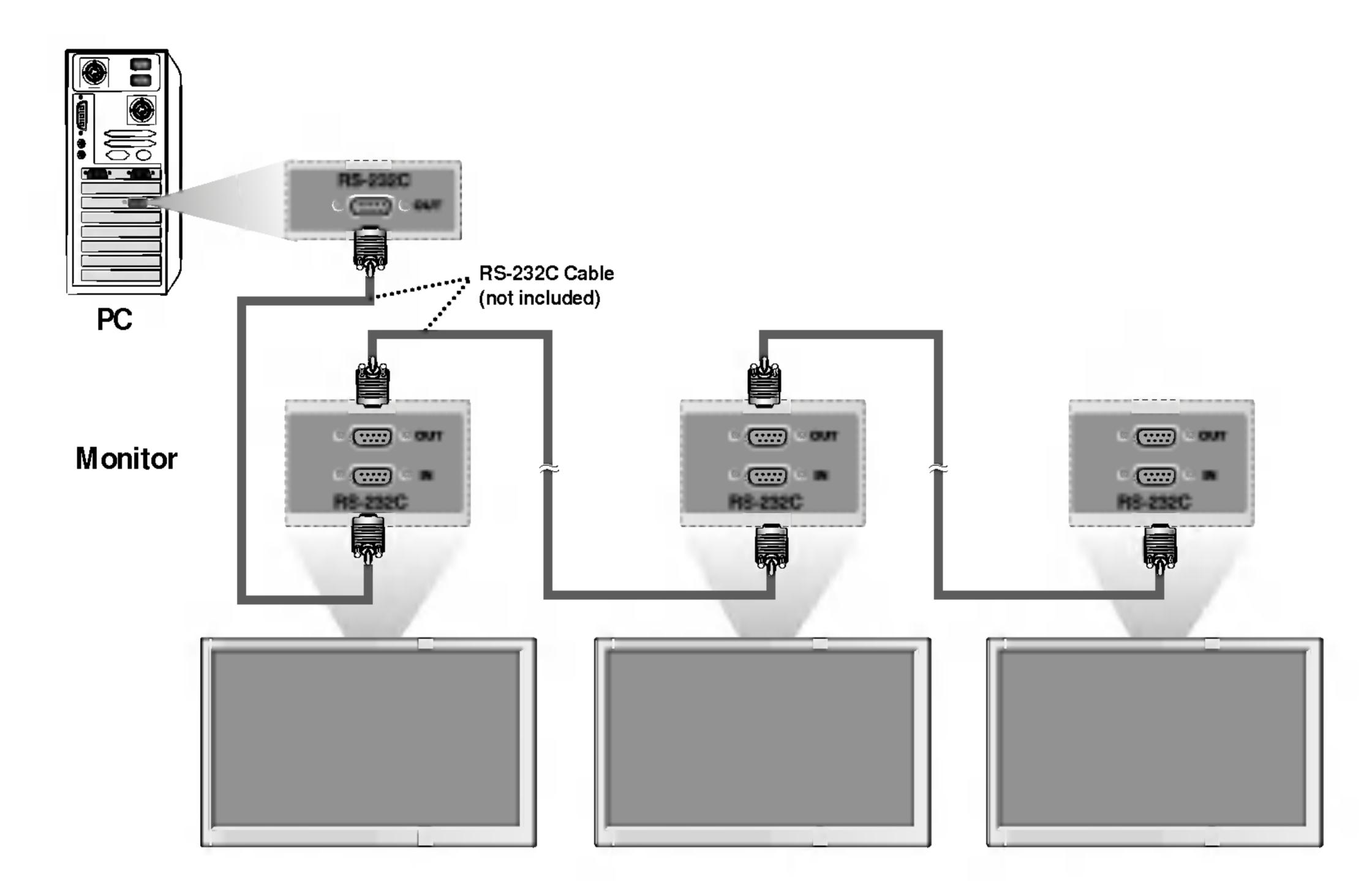


Use this method to connect several monitors to a single PC. You can control several monitors at a time by connecting them to a single PC.

Connecting the cable

Connect the RS-232C cable as shown in the picture.

* The RS-232C protocol is used for communication between the PC and monitor. You can turn the monitor on/off, select an input source or adjust the OSD menu from your PC.



Communication Parameter

▶ Baud Rate : 9600bps (UART)

Data Length: 8bits
 Parity Bit: None
 Stop Bit: 1bit
 Flow Control: None

► Communication Code : ASCII code

0

Command Reference List

	COMMAND 1	COMMAND 2	DATA (Hexa)
01. Power	k	а	00H - 01H
02. Input Select	k	b	00H - 08H
03. Aspect Ratio	k	С	01H - 06H
04. Screen Mute	k	d	00H - 01H
05. Volume Mute	k	е	00H - 01H
06. Volume Control	k	f	00H - 64H
07. Contrast	k	g	00H - 64H
08. Brightness	k	h	00H - 64H
09. Color	k	i	00H - 64H
10. Tint	k	j	00H - 64H
11. Sharpness	k	k	00H - 64H
12. OSD Select	k		00H - 01H
13. Remote Lock On/Off	k	m	00H - 01H
14. PIP/PBP/POP On/Off	k	n	00H - 03H
15. PIP Position	k	q	00H - 03H
16. Balance	k	t	00H - 64H
17. ACC	ķ	u	00H - 03H
18. PIP/PBP/POP SOURCE	K	У	00H - 08H
19. Auto Configure	j	u	01H

	COM-	COM-	DATA 0	DATA 1	DATA 2	DATA 3
	MAND 1	MAND 2	(Hexa)	(Hexa)	(Hexa)	(Hexa)
20. Tune command 21. Channel Add/Del 22. Key	m m m	a b c	01H - 7DH 00H - 01H Key Code		0	mainsub/TuneBand



Transmission / Receiving Protocol

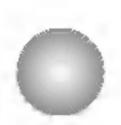
Transmission

[Command1][Command2][][Set ID][][Data][Cr]

- * [Command 1]: First command. (j or k)
- * [Command 2]: Second command.
- * [Set ID]: You can adjust the set ID to choose desired monitor ID number in Special menu. Adjustment range is 0 ~ 99. When selecting Set ID '0', every connected TV set is controlled. Set ID is indicated as decimal (0~99) on menu and as Hexa decimal (0x0~0x63) on transmission/receiving protocol.
- * [DATA]: To transmit command data.

Transmit 'FF' data to read status of command.

- * [Cr]: Carriage Return ASCII code '0x0D'
- * []: ASCII code Space (0x20)'



OK Acknowledgement

[Command2][][Set ID][][OK][Data][x]

* The Monitor transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

Error Acknowledgement

[Command2][][Set ID][][NG][Data][x]

* The Monitor transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 1: Illegal Code

2: Not supported function

3: Wait more time

01. Power On (Command : a)

► To control Power On/Off of the Set.

<u>Transmission</u>

[k][a][][Set ID][][Data][Cr]

Data 0 : Power Off 1 : Power On

<u>Acknowledgement</u>

[a][][Set ID][][OK][Data][x]

► To show the status of Power On/Off.

Transmission

[k][a][][Set ID][][FF][Cr]

Data 0: Power Off 1: Power On

<u>Acknowledgement</u>

[a][][Set ID][][OK][Data][x]

* The Monitor transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.



Transmission / Receiving Protocol

02. Input Select (Command : b) (Main Picture Input)

► To select input source for the Set.

You can also select an input source using the SOURCE button on the remote control.

Transmission

[k][b][][Set ID][][Data][Cr]

Data 0:TV

5 : Component 2

2 : AV

6: RGB PC

3 : S-Video

8: DVI PC

4 : Component 1 <u>Acknowledgement</u>

[b][][Set ID][][OK][Data][x]

03. Aspect Ratio(Command : c) (Main picture format)

To adjust the screen format.

You can also adjust the screen format using the ARC (Aspect Ratio Control) button on remote control or in the Screen menu.

Transmission

[k][c][][Set ID][][Data][Cr]

Data 1:4:3

2: Full

3 : Spectacle

4 : Zoom1

5 : Zoom2

6:1:1(PC)

Acknowledgement

[c][][Set ID][][OK][Data][x]



04. Screen Mute(Command : d)

To select screen mute on/off.

Transmission

[k][d][][Set ID][][Data][Cr]

Data 0 : Screen mute off (Picture on) 1 : Screen mute on (Picture off)

<u>Acknowledgement</u>

[d][][Set ID][][OK][Data][x]

05. Volume Mute(Command : e)

► To control On/Off of the Volume Mute.

Transmission

[k][e][][Set ID][][Data][Cr]

Data 0 : Volume Mute On (Volume Off)
1 : Volume Mute Off (Volume On)

<u>Acknowledgement</u>

[e][][Set ID][][OK][Data][x]

Data 0: Volume Mute On (Volume Off)
1: Volume Mute Off (Volume On)

06. Volume Control(Command: f)

To control On/Off of the Volum.

Transmission

[k][f][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H (Hexadecimal code)

<u>Acknowledgement</u>

[f][][Set ID][][OK][Data][x]

Data Min: 00H ~ Max: 64H



Transmission / Receiving Protocol

07. Contrast (Command : g)

► To adjust screen contrast.

You can also adjust the contrast in the Picture menu.

Transmission

[k][g][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H

☐ Refer to 'Real data mapping' as shown below.

Acknowledgement

[g][][Set ID][][OK][Data][x]

* Real data mapping

0 : Step 0

A: Step 10 (SET ID 10)

F: Step 15 (SET ID 15)

10: Step 16 (SET ID 16)

64 : Step 100

08. Brightness (Command: h)

To adjust screen brightness.

You can also adjust the brightness in the Picture menu.

<u>Transmission</u>

[k][h][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H

□ Refer to 'Real data mapping' as shown below.

<u>Acknowledgement</u>

[h][][Set ID][][OK][Data][x]

* Real data mapping

0 : Step

A: Step 10 (SET ID 10)

F: Step 15 (SET ID 15)

10: Step 16 (SET ID 16)

64 : Step 100



09. Color (Command: i) (TV, AV only)

► To adjust the screen color.

You can also adjust the color in the Picture menu.

Transmission

[k][i][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H (Hexadecimal code)

<u>Acknowledgement</u>

[i][][Set ID][][OK][Data][x]

Data Min: 00H ~ Max: 64H

10. Tint (Command : j) (TV, AV-NTSC only)

► To adjust the screen tint.

You can also adjust the tint in the Picture menu.

Transmission

[k][j][][Set ID][][Data][Cr]

Data Red: 00H ~ Green: 64H (Hexadecimal code)

<u>Acknowledgement</u>

[j][][Set ID][][OK][Data][x]

Data Red: 00H ~ Green: 64H

* Tint : -50 ~ +50

11. Sharpness (Command : k) (TV, AV only)

► To adjust the screen Sharpness.

You can also adjust the sharpness in the Picture menu.

Transmission

[k][k][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H (Hexadecimal code)

<u>Acknowledgement</u>

[k][][Set ID][][OK][Data][x]

Data Min: 00H ~ Max: 64H



Transmission / Receiving Protocol

12. OSD Select (Command: I)

► To control OSD on/off to the set.

Transmission

[k][I][][Set ID][][Data][Cr]

Data 0: OSD Off 1: OSD On

<u>Acknowledgement</u>

[I][][Set ID][][OK][Data][x]

Data 0: OSD Off 1: OSD On

13. Remote Lock On/Off (Command : m)

▶ To control Remote Lock on/off to the set.

Transmission

[k][m][][Set ID][][Data][Cr]

Data 0 : Remote Lock Off 1 : Remote Lock On

<u>Acknowledgement</u>

[m][][Set ID][][OK][Data][x]

Data 0 : Remote Lock Off 1 : Remote Lock On

14. PIP/PBP/POP ON/OFF(Command : n)

► To control PIP/PBP/POP On/Off of the Set.

Transmission

[k][n][][Set ID][][Data][Cr]

Data 0: OFF

1 : PIP

2: PBP

3 : POP

<u>Acknowledgement</u>

[n][][Set ID][][OK][Data][x]

Data 0 : OFF

1 : PIP

2 : PBP

3 : POP



15. PIP Position(Command : q)

► To adjust PIP position.

Transmission

[k][q][][Set ID][][Data][Cr]

Data 0: Bottom of the right side on screen

- 1: Bottom of the left side on screen
- 2: Top of the left side on screen
- 3: Top of the right side on screen

<u>Acknowledgement</u>

[q][][Set ID][][OK][Data][x]

Data 0: Bottom of the right side on screen

- 1: Bottom of the left side on screen
- 2: Top of the left side on screen
- 3: Top of the right side on screen

16. Balance(Command:t)

▶ To adjust the screen Balance.

<u>Transmission</u>

[k][t][][Set ID][][Data][Cr]

Data Min: 00H ~ Max: 64H

(Hexadecimal code)

<u>Acknowledgement</u>

[t][][Set ID][][OK][Data][x]

Data Min: 00H ~ Max: 64H

* Balance : -50 ~ +50



Transmission / Receiving Protocol

17. ACC(Command: u)

To adjust the screen color temperature.

Transmission

[k][u][][Set ID][][Data]][Cr]

Data 0 : Normal (9300K) 2 : Warm (6500K)

1 : Cool 3 : User PC : 0, 2, 3 AV : 0, 1, 2

<u>Acknowledgement</u>

[u][][Set ID][][OK]][Data][X]

Data 0 : Normal (9300K) 2 : Warm (6500K)

1 : Cool 3 : User PC : 0, 2, 3 AV : 0, 1, 2

18. PIP/PBP/POP SOURCE (Command: y)

▶ To select the sub-screen source.

<u>Transmission</u>

[k][y][][Set ID][][Data][Cr]

Data 0: TV 5: Component 2

2 : AV 6 : RGB PC 3 : S-Video 8 : DVI PC

4 : Component 1

Acknowledgement

[y][][Set ID][][OK][Data][X]

Data 0:TV 5:Component 2

2 : AV 6 : RGB PC 3 : S-Video 8 : DVI PC

4 : Component 1

19. Auto Configure (Command : j u)

➤ To adjust picture position and minimize image shaking automatically. it works only in RGB(PC) mode.

Transmission

[j][u][][Set ID][][Data][Cr]

Data 1: To set

<u>Acknowledgement</u>

[u][][Set ID][][OK][Data][X]



20. Tune Command(command: m a)

► Tune channel to following physical number.

Transmission

[m][a][][Set ID][][Data0][][Data2][][Data3][Cr]

Data 0: Air: 02H ~ 45H, Cable: 01H, 0EH ~ 7DH

1:0

3: High -> Main Channel: 0, Sub Channel: 1 Low -> Air 0, CATV: 1

<u>Acknowledgement</u>

[a][][Set ID][][OK][Data0][][Data1][][Data2][][Data3][X]

21. Channel Add/Del (Command: mb)

To add and delete the channels.

Transmission

[m][b][][Set ID][][Data][Cr]

Data 0 : Channel Memory 1 : Channel Erase

<u>Acknowledgement</u>

[b][][Set ID][][OK][Data][X]

22.Key(Command: mc)

▶ To send IR remote key code.

<u>Transmission</u>

[m][c][][Set ID][][Data][Cr]

Data Key code: Refer to page A50.

<u>Acknowledgement</u>

[c][]Set ID][][OK][Data][X]

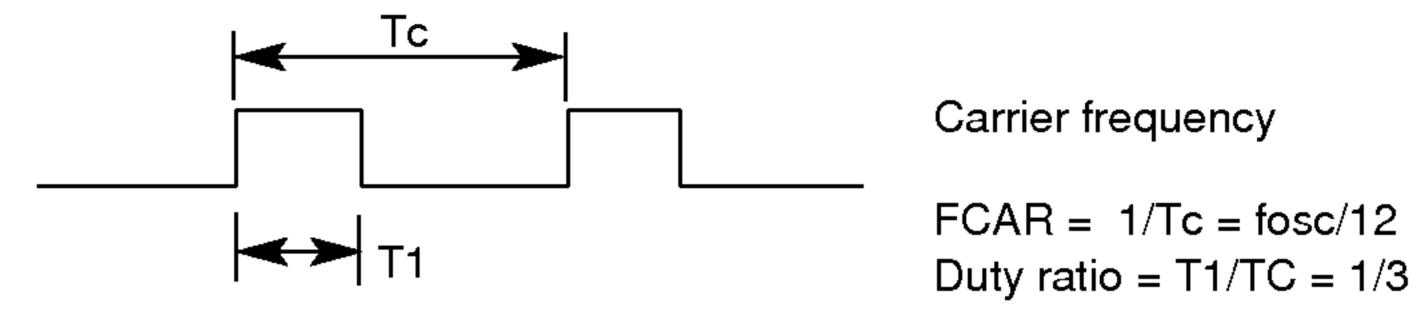
IR Codes

How to connect

▶ Connect your wired remote control to Remote Control port on the Monitor.

Remote Control IR Code

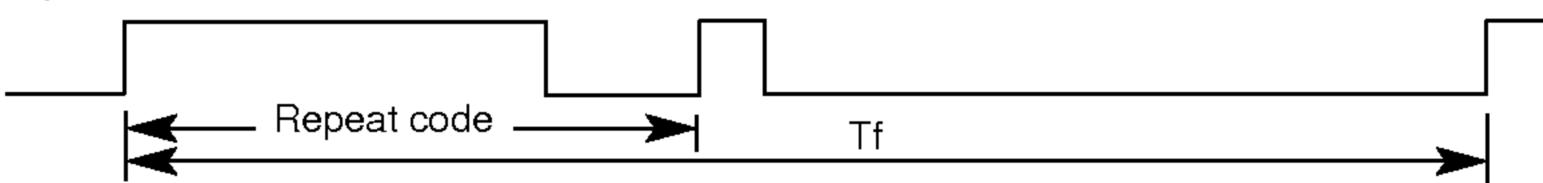
Output waveform single pulse, modulated with 37.917KHz signal at 455KHz



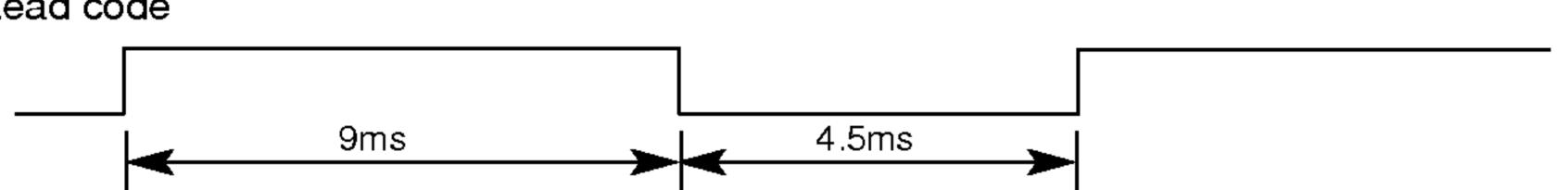
- ▶ Configuration of frame
 - 1st frame

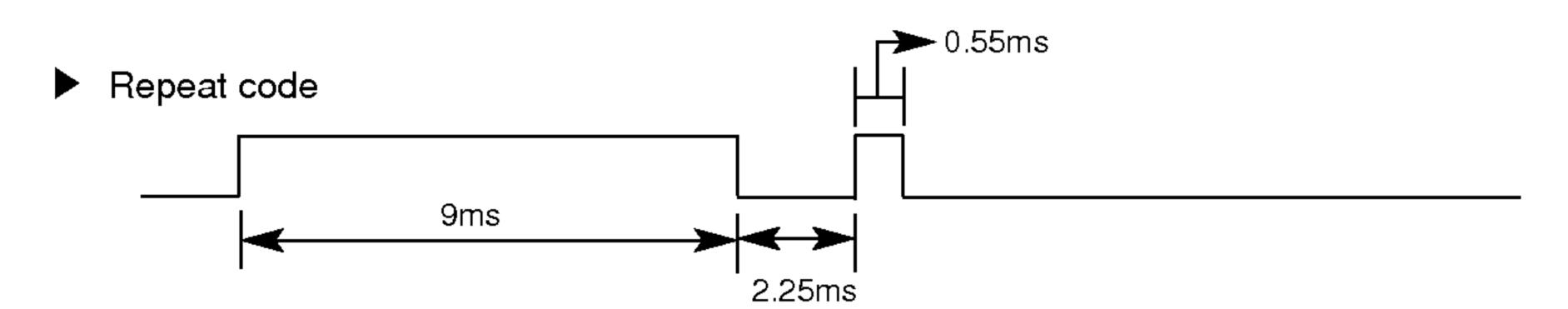
Lead code	- 1		Lov cus		n cc	ode				High custom cod				de					Data code						Data code								
		CO	C1	C2	СЗ	C4	C5	C6	C7	CO	C1	C2	СЗ	C4	C5	C6	C7	DO	D1	D2 [) SC	D4 [D5 [06	D7 i	DO	21	D2	DЗ	D4	D5	D6 D	7

Repeat frame



► Lead code





- ▶ Bit description
 - Bit "0"

 0.56ms

 0.56ms

 1.12ms

 Bit "1"

 2.24ms
- Frame interval: Tf
 - The waveform is transmitted as long as a key is depressed.

 Tf

 Tf

 Tf

 Tf

 Tf

 Tf

 Tf=108ms@455KHz



00 CH(▲) R/C Button 01 CH(▼) R/C Button 02 VOL(▶) R/C Button 03 VOL(♠) R/C Button 08 POWER ON/OFF R/C Button(Power On/Off) 08 POWER ON Discrete IR Code(Only Power On) 09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 10 Number Key 9 R/C Button 11 Number Key 1 R/C Button 12 Number Key 4 R/C Button 13 Number Key 5 R/C Button 14 Number Key 6 R/C Button 15 Number Key 7 R/C Button 16 Number Key 8 R/C Button 17 Number Key 9 R/C Button 18 Number Key 9 R/C Button 19 Source R/C Button 10 Discrete IR Code(Input TV Selection) 10 Discrete IR Code(Input S-Video Selection) 11 Discrete IR Code(Input COMPONENT1 Selection) 11 Discrete IR Code(Input COMPONENT1 Selection) 12 Discrete IR Code(Input DVI Selection) 13 Discrete IR Code(Input RGB Selection) 14 COMPONENT2 Discrete IR Code(Input RGB Selection) 15 RGB Discrete IR Code(Input RGB Selection) 16 SLEEP R/C Button 17 R/C Button 18 NENU R/C Button 19 R/C Button 19 R/C Button 10 SLEEP R/C Button 11 Discrete IR Code(Input RGB Selection) 12 SLEEP R/C Button 13 RAC R/C Button 14 RC Button 15 RAC R/C Button 16 RAC R/C Button 17 RAC R/C Button 18 RAC R/C Button 19 RAC R/C Button 19 RAC R/C Button 10 Discrete IR Code(Only 4:3 mode) 17 ARC RAC R/C Button 17 ARC RAC R/C Button 17 ARC RAC R/C Button 17 ARC RAC RAC RAC RAC RAC RAC RAC RAC RAC	Code(Hexa)	Function	Note
01	` '		R/C Button
03 VOL (◀) B/C Button 08 POWER ON/OFF R/C Button(Power On/Off) C4 POWER ON Discrete IR Code(Only Power On) C5 POWER OFF Discrete IR Code(Only Power Off) 09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 1 R/C Button 13 Number Key 2 R/C Button 14 Number Key 3 R/C Button 15 Number Key 4 R/C Button 16 Number Key 5 R/C Button 17 Number Key 6 R/C Button 18 Number Key 7 R/C Button 19 Number Key 8 R/C Button 19 Number Key 9 R/C Button 98 Source R/C Button D6 TV/AV R/C Button D7 Discrete IR Code(Input TV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) D8 S-Video	01		R/C Button
08 POWER ON/OFF R/C Button(Power On/Off) C4 POWER ON Discrete IR Code(Only Power On) C5 POWER OFF Discrete IR Code(Only Power Off) 09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 4 R/C Button 16 Number Key 5 R/C Button 17 Number Key 6 R/C Button 18 Number Key 7 R/C Button 19 Number Key 8 R/C Button 19 Number Key 9 R/C Button 98 Source R/C Button 98 Source R/C Button 5A AV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) <	02	VOL(►)	R/C Button
C4 POWER ON Discrete IR Code(Only Power On) C5 POWER OFF Discrete IR Code(Only Power Off) 09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button 90 S-Video Discrete IR Code(Input TV Selection)	03	VOL(◀)	R/C Button
C5 POWER OFF Discrete IR Code(Only Power Off) 09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 98 Source R/C Button 98 S-Video Discrete IR Code(Input TV Selection) 98 S-Video Discrete IR Code(Input COMPONENT1 Selection) 98 COMPONENT2 Discrete I	08	POWER ON/OFF	R/C Button(Power On/Off)
09 MUTE R/C Button 10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) D8 S-Video Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D8 S-Video Discrete IR Code(Input COMPONENT2 Selection) D4 COMPONENT2 Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 RGB Discrete IR Code(Input	C4	POWER ON	Discrete IR Code(Only Power On)
10 Number Key 0 R/C Button 11 Number Key 1 R/C Button 12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) D8 S-Video Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D6 SUEEP R/C Button 43 MENU R/C Button <td>C5</td> <td>POWER OFF</td> <td>Discrete IR Code(Only Power Off)</td>	C5	POWER OFF	Discrete IR Code(Only Power Off)
11 Number Key 1 B/C Button 12 Number Key 2 B/C Button 13 Number Key 3 B/C Button 14 Number Key 4 B/C Button 15 Number Key 5 B/C Button 16 Number Key 6 B/C Button 17 Number Key 7 B/C Button 18 Number Key 8 B/C Button 19 Number Key 9 B/C Button 0B TV/AV B/C Button 98 Source B/C Button 90 S-Video Discrete IR Code(Input COMPONENT1 Selection) 90 B/E<	09	MUTE	R/C Button
12 Number Key 2 R/C Button 13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D8 S-Video Discrete IR Code(Input COMPONENT2 Selection) D4 COMPONENT2 Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button	10	Number Key 0	R/C Button
13 Number Key 3 R/C Button 14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 79 ARC R/C Button 76	11	Number Key 1	R/C Button
14 Number Key 4 R/C Button 15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 79 ARC R/C Button	12	Number Key 2	R/C Button
15 Number Key 5 R/C Button 16 Number Key 6 R/C Button 17 Number Key 7 R/C Button 18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT1 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Zoom mode)	13	Number Key 3	R/C Button
16	14	Number Key 4	R/C Button
17	15	Number Key 5	R/C Button
18 Number Key 8 R/C Button 19 Number Key 9 R/C Button 0B TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 70 ARC(Full) Discrete IR Code(Only 4:3 mode) 71 ARC(Full) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	16	Number Key 6	R/C Button
19 Number Key 9 R/C Button 08 TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input COMPONENT1 Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 70 ARC(4:3) Discrete IR Code(Only 4:3 mode) 71 ARC(Full) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	17	Number Key 7	R/C Button
OB TV/AV R/C Button 98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	18	Number Key 8	R/C Button
98 Source R/C Button D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	19	Number Key 9	R/C Button
D6 TV Discrete IR Code(Input TV Selection) 5A AV Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 64 ARC R/C Button 75 ARC R/C Button 76 Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	0B	TV/AV	R/C Button
Discrete IR Code(Input AV Selection) D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 64 ARC Button 75 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	98	Source	R/C Button
D8 S-Video Discrete IR Code(Input S-Video Selection) BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Selection) D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) D5 RGB Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) D6 SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	D6	TV	Discrete IR Code(Input TV Selection)
BF COMPONENT1 Discrete IR Code(Input COMPONENT1 Select D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Select C6 DVI Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	5A	AV	Discrete IR Code(Input AV Selection)
D4 COMPONENT2 Discrete IR Code(Input COMPONENT2 Selection) C6 DVI Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	D8	S-Video	Discrete IR Code(Input S-Video Selection)
C6 DVI Discrete IR Code(Input DVI Selection) D5 RGB Discrete IR Code(Input RGB Selection) OE SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	BF	COMPONENT1	Discrete IR Code(Input COMPONENT1 Selection)
D5 RGB Discrete IR Code(Input RGB Selection) 0E SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	D4	COMPONENT2	Discrete IR Code(Input COMPONENT2 Selection)
OE SLEEP R/C Button 43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	C6	DVI	Discrete IR Code(Input DVI Selection)
43 MENU R/C Button 44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	D5	RGB	Discrete IR Code(Input RGB Selection)
44 SET R/C Button 60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	0E	SLEEP	R/C Button
60 PIP R/C Button 63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	43	MENU	R/C Button
63 SWAP R/C Button 79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	44	SET	R/C Button
79 ARC R/C Button 76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	60	PIP	R/C Button
76 ARC(4:3) Discrete IR Code(Only 4:3 mode) 77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	63	SWAP	R/C Button
77 ARC(Full) Discrete IR Code(Only Full mode) AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	79	ARC	R/C Button
AF ARC(ZOOM) Discrete IR Code(Only Zoom mode) 54 AUTO PROGRAM R/C Button	76	ARC(4:3)	Discrete IR Code(Only 4:3 mode)
54 AUTO PROGRAM R/C Button	77	ARC(Full)	Discrete IR Code(Only Full mode)
	AF	ARC(ZOOM)	Discrete IR Code(Only Zoom mode)
20 CADTIONI D/C Dustion	54	AUTO PROGRAM	R/C Button
OAF HON DULION	39	CAPTION	R/C Button
99 AUTO CONFIG Discrete IR Code	99	AUTO CONFIG	Discrete IR Code



Troubleshooting

No image is displayed See if the power cord is properly connected to the ☐ Is the monitor power cord connected? outlet. See if the power switch is turned on. ☐ Is the power indicator light on? Adjust brightness and contrast again. ☐ Power is on, power indicator is green but the screen appears extremely dark. • If the monitor is in power saving mode, move the ☐ Is the power indicator amber? mouse or press any key. The signal from the PC (video card) is out of the ☐ Does the 'Out of range' message vertical or horizontal frequency range of the appear? monitor. Adjust the frequency range by referring to the Specifications in this manual. * Maximum resolution RGB PC: 1600 x 1200 @60Hz DVI PC: 1360 x 768 @60Hz The signal cable between PC and monitor is not ☐ Does the 'Check signal cable' message connected. Check the signal cable. appear? Press the 'SOURCE' menu in the remote controller to check the input signal.

'Unknown Monitor' message appears when the monitor is connected.

☐ Did you install the driver?

- Install the monitor driver, which is provided with the monitor, or download it from the web site. (http://www.lge.com)
- See if the plug&play function is supported by referring to the video card user manual.

'Controls locked' message appears.

☐ The 'Controls locked' message appears when pressing the Menu button.

 The control locking function prevents unintentional OSD setting change due to careless usage. To unlock the controls, simultaneously press the Menu button and ▶ button for 5 seconds. (You cannot set this function using the remote controller buttons. You can set this function in the monitor only.)



* Vertical frequency: To enable the user to watch the monitor display, screen image should be changed tens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the times of image display per second. The unit is Hz.

* Horizontal frequency: The horizontal interval is the time to display one vertical line. When 1 is divided by the horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.



The screen image looks abnormal.

- ☐ Is the screen position wrong?
- D-Sub analog signal Press the "AUTO" button in the remote controller to automatically select the optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Position OSD menu.
- See if the video card resolution and frequency are supported by the monitor. If the frequency is out of range, set to the recommended resolution in the Control Panel – Display – Setting menu.
- ☐ Do thin lines appear on the background screen?
- D-Sub analog signal Press the "AUTO" button in the remote controller to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Clock OSD menu.
- ☐ Horizontal noise appears or the characters look blurred.
- D-Sub analog signal Press the "AUTO" button in the remote controller to automatically select an optimal screen status that fits into the current mode. If adjustment is not satisfactory, use the Phase OSD menu.
- ☐ Unable to adjust the horizontal/vertical position in the Zoom menu.
- See if the Zoom value is set to 0. If it is, you cannot adjust the H/V Position value.
- ☐ Screen size is automatically adjusted when connected to the PC.
- If the screen size is not full when connected to the PC, execute the PIP/POP/PBP to change to full screen mode.
- ☐ Brightness differs in the main and sub screen when connected to the PC.
- You cannot adjust brightness and tint in the PIP/POP/PBP Screen menu for the sub-screen among PIP/POP/PBP menus. Therefore, brightness can be different for the sub-screen.
- ☐ The screen is displayed abnormally.
- The proper input signal is not connected to the signal port. Connect the signal cable that matches with the source input signal.
- □ No sound appears in the TV channel display window.
- See if the TV sound is set to mono. if it is, the sound will not be displayed.

After-image appears on the monitor.

- ☐ After-image appears when the monitor is turned off.
- If you use a fixed image for a long time, the pixels may be damaged quickly. Use the screensaver function.



Troubleshooting

The audio function does not work. See if the audio cable is connected properly. ☐ No sound? Adjust the volume. See if the sound is set properly. See if the Sound is set to On in the PIP/POP/PBP ☐ No sound is available when the PIP/POP/PBP mode is engaged. menu. Select the appropriate equalize sound. ☐ Sound is too dull. Adjust the volume. ☐ Sound is too low. The TV function does not work. See if you have selected the proper channel ☐ The TV signal is not being received. mode. Use the automatic channel setup function. • See if the TV antenna is properly connected.

The screen size function in the OSD menu does not work.

- ☐ The screen size function in the OSD menu does not work.
- See if the PIP/POP/PBP function is in use. If the PIP/POP/PBP function is in use, the screen size function may not work.

Screen color is abnormal.

• Set the number of colors to more than 24 bits (true ☐ Screen has poor color resolution (16 colors). color) Select Control Panel – Display – Settings – Color Table menu in Windows. Check the connection status of the signal cable. ☐ Screen color is unstable or mono-Or, re-insert the PC video card. colored. • Several pixels (red, green, white or black color) ☐ Do black spots appear on the may appear on the screen, which can be screen? attributable to the unique characteristics of the LCD panel. It is not a malfunction of the LCD.

Specifications

The product specifications can change without prior notice for product improvement.

₋CD Panel								
	[32 inch]	32 inches (80.04 cm) TFT (Thin Film Transistor)						
		LCD (Liquid Crystal Display) Panel						
		Visible diagonal size: 80.04 cm						
		0.5025 mm (Pixel Pitch)						
	[37 inch]	37 inches (94.03 cm) TFT (Thin Film Transistor)						
		LCD (Liquid Crystal Display) Panel						
		Visible diagonal size: 94.03 cm						
		0.6000 mm (Pixel Pitch)						
	[42 inch]	42 inches (106.68 cm) TFT (Thin Film Transistor)						
		LCD (Liquid Crystal Display) Panel						
		Anti-Glare coating						
		Visible diagonal size: 106.68 cm						
		0.681 mm (Pixel Pitch)						
Power	[32 inch]							
	Rated Voltage	AC 100-240V~ 50/60Hz 2.0A						
	Power Consumption	On Mode : 160W						
		Sleep Mode : ≤ 4W						
		Off Mode : ≤ 2W						
	[37 inch]							
	Rated Voltage	AC 100-240V~ 50/60Hz 2.4A						
	Power Consumption	On Mode : 220W						
		Sleep Mode : ≤ 4W						
		Off Mode : ≤ 3W						
	[42 inch]							
	Rated Voltage	AC 100-240V~ 50/60Hz 2.8A						
	Power Consumption	On Mode : 300W						
		Sleep Mode : ≤ 4W						
		Off Mode : ≤ 3W						

NOTE

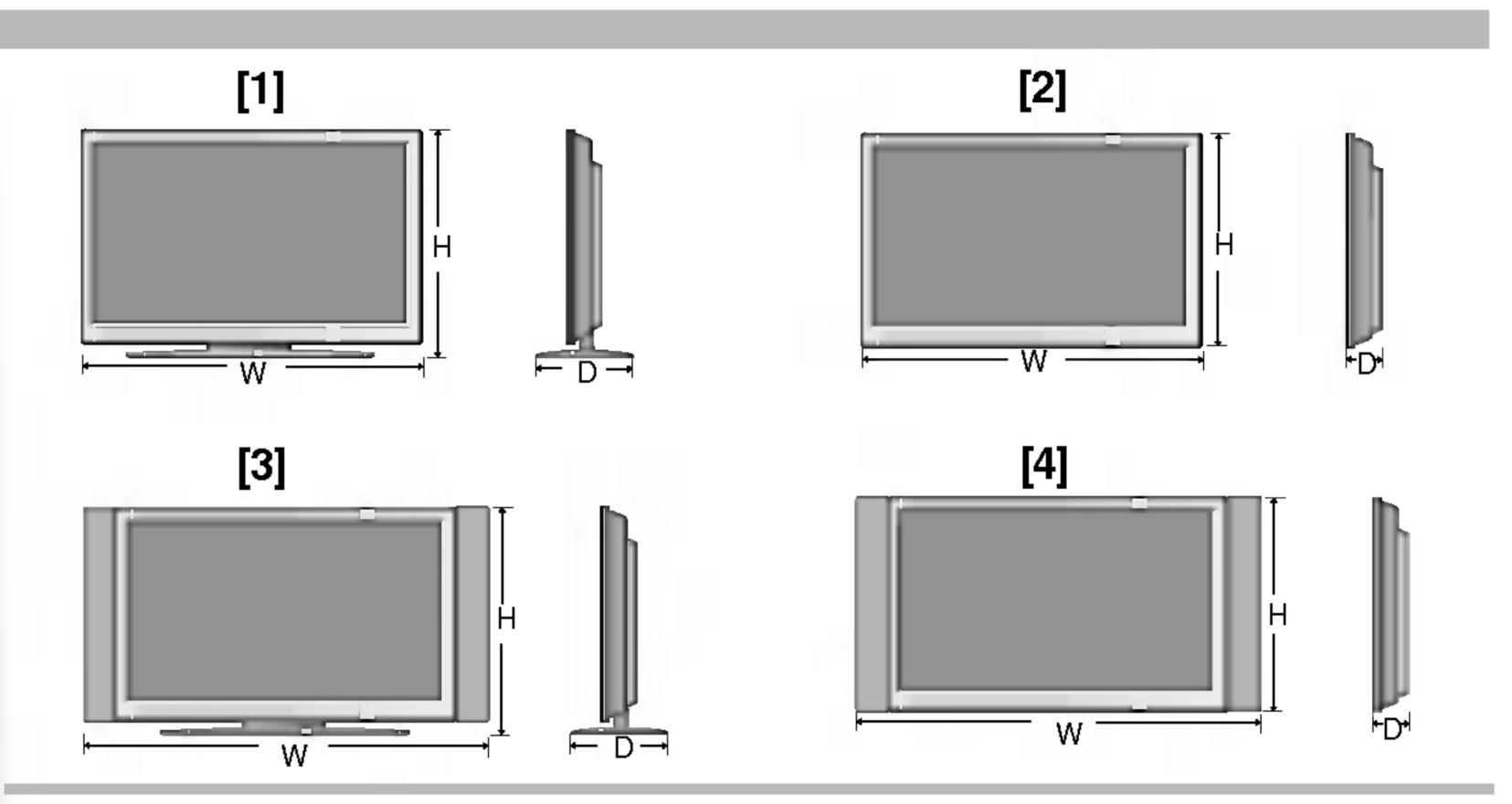
■ Information in this document is subject to change without notice.



Specifications

The product specifications can change without prior notice for product improvement.

Dimensions & Weight



Width x Height x Depth

[32 inch]

- [1] 80.30 cm (31.61 inches) x 54.00 cm (21.26 inches) x 18.00 cm (7.09 inches)
- [2] 80.30 cm (31.61 inches) x 49.30 cm (19.4 inches) x 9.99 cm (3.93 inches)
- [3] 96.40 cm (37.95 inches) x 54.00 cm (21.26 inches) x 18.00 cm (7.09 inches)
- [4] 96.40 cm (37.95 inches) x 49.30 cm (19.4 inches) x 9.99 cm (3.93 inches)

[37 inch]

- [1] 92.80 cm (36.54 inches) x 61.90 cm (24.37 inches) x 22.77 cm (8.96 inches)
- [2] 92.80 cm (36.54 inches) x 57.12 cm (22.49 inches) x 12.00 cm (4.72 inches)
- [3] 112.9 cm (44.45 inches) x 61.90 cm (24.37 inches) x 22.77 cm (8.96 inches)
- [4] 112.9 cm (44.45 inches) x 57.12 cm (22.49 inches) x 12.00 cm (4.72 inches)

[42 inch]

- [1] 105.7 cm (41.61 inches) x 70.20 cm (27.64 inches) x 29.45 cm (11.59 inches)
- [2] 105.7 cm (41.61 inches) x 65.30 cm (25.71 inches) x 11.91 cm (4.69 inches)
- [3] 125.9 cm (49.57 inches) x 70.20 cm (27.64 inches) x 29.45 cm (11.59 inches)
- [4] 125.9 cm (49.57 inches) x 65.30 cm (25.71 inches) x 11.91 cm (4.69 inches)

Net

[32 inch]

[1] 19.4 kg (42.77 lbs) [2] 16.0 kg (35.27 lbs) [3] 21.1 kg (46.52 lbs) [4] 17.7 kg (39.02 lbs)

[37 inch]

[1] 31.1 kg (68.56 lbs) [2] 29.0 kg (63.93 lbs) [3] 39.1 kg (86.20 lbs) [4] 35.1 kg (77.38 lbs)

[42 inch]

[1] 41.4 kg (91.27 lbs) [2] 37.0 kg (81.57 lbs) [3] 44.0 kg (97.00 lbs) [4] 39.6 kg (87.30 lbs)



The product specifications can change without prior notice for product improvement.

Video Signal	Max. Resolution	RGB PC: 1600 X 1200 @60Hz
		DVI PC: 1360 X 768 @60Hz - It may not be supported
		depending on the OS or video card type.
	Recommended Resolution	RGB PC : WXGA 1360 X 768 @60Hz
		DVI PC: WXGA 1360 X 768 @60Hz - It may not be
		supported depending on the OS or video card type.
	Horizontal Frequency	RGB PC : 30 - 83 kHz
		DVI PC : 30 - 72 kHz
	Vertical Frequency	56 - 85 Hz
	Synchronization Type	Separate/Composite/SOG (Sync On Green)/Digital
Input Connector		15-pin D-Sub type, DVI-D (digital), S-Video,
		Composite Video, HDTV, DVD
Environmental	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 10% ~ 80%
Conditions	Storage Condition	Temperature: -20°C ~ 60°C, Humidity: 5% ~ 95%

^{*} Applicable only for models that support the speakers

Audio Input S	udio Output ensitivity r Impedance	10W+10W(R+L) 0.7Vrms 8Ω
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NOTE

■ Information in this document is subject to change without notice.

Specifications

PC Mode – Preset Mode

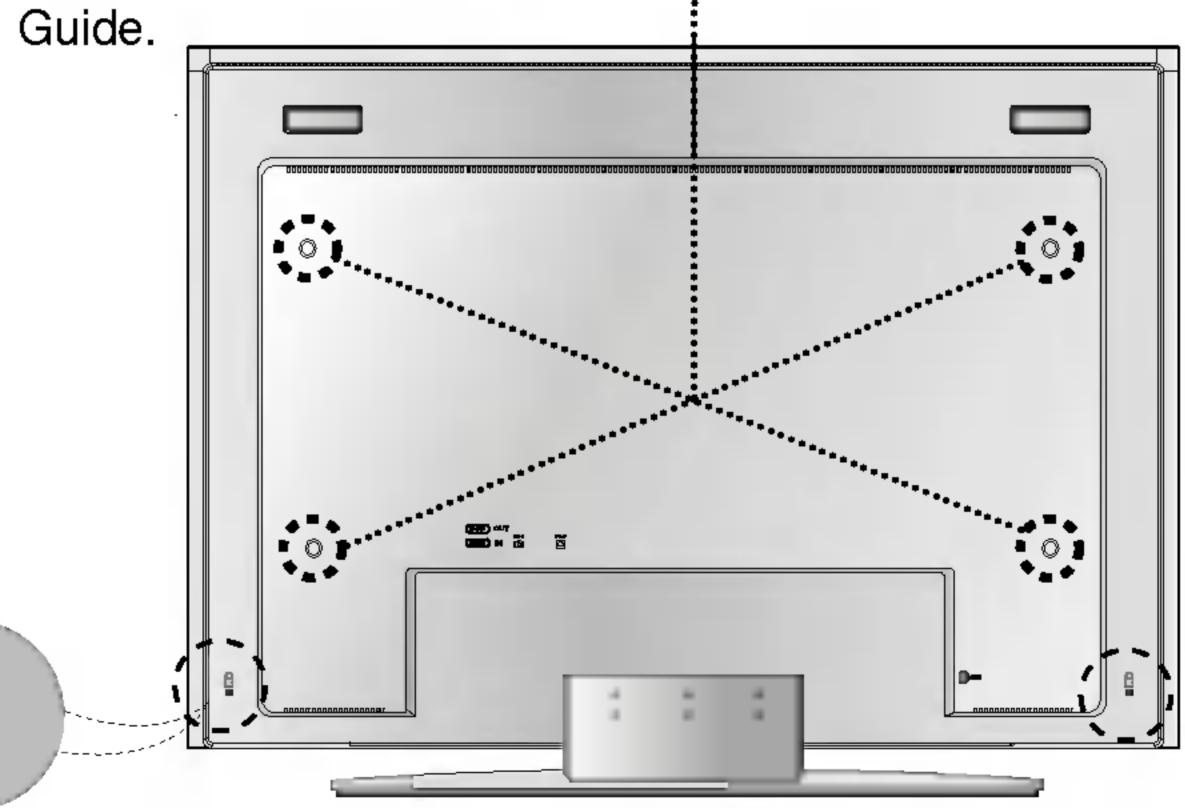
	Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)		Preset mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
1	VGA 640 x 350	31.469	70	11	VESA 1024 x 768	60.123	75
2	VGA 720 x 400	31.468	70	12	VESA 1024 x 768	68.68	85
3	VGA 640 x 480	31.469	60	13	VESA 1280 x 720	44.772	60
4	VESA 640 x 480	37.500	75	14	VESA 1360 x 768	47.72	60
5	VESA 640 x 480	43.269	85	15	VESA1280 x 1024	63.981	60
6	VESA 800 x 600	37.879	60	16	VESA1280 x 1024	79.98	75
7	VESA 800 x 600	46.875	75	17	VESA1600 x 1200	75.00	60
8	VESA 800 x 600	53.674	85				
9	MAC 832 x 624	49.725	75	RGB PC : Mode 1 ~ Mode 17			
10	VESA 1024 x 768	48.363	60	DVI PC : Mode 1 ~ Mode 15			

Power Indicator

Mode	Monitor
On Mode	Green
Sleep Mode	Amber
Off Mode	-

VESA wall mounting

Connected to another object (stand type and wall-mounted type.) This monitor accepts a VESA-compliant mounting interface pad.- (optional) For further information, refer to the VESA Wall Mounting Instruction



Kensington Security Slot- optional

Connected to a locking cable that can be purchased separately at most computer stores